

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
 Data File : BF141983.D
 Acq On : 17 Mar 2025 16:01
 Operator : RC/JU
 Sample : Q1568-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025

Quant Time: Mar 17 16:21:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

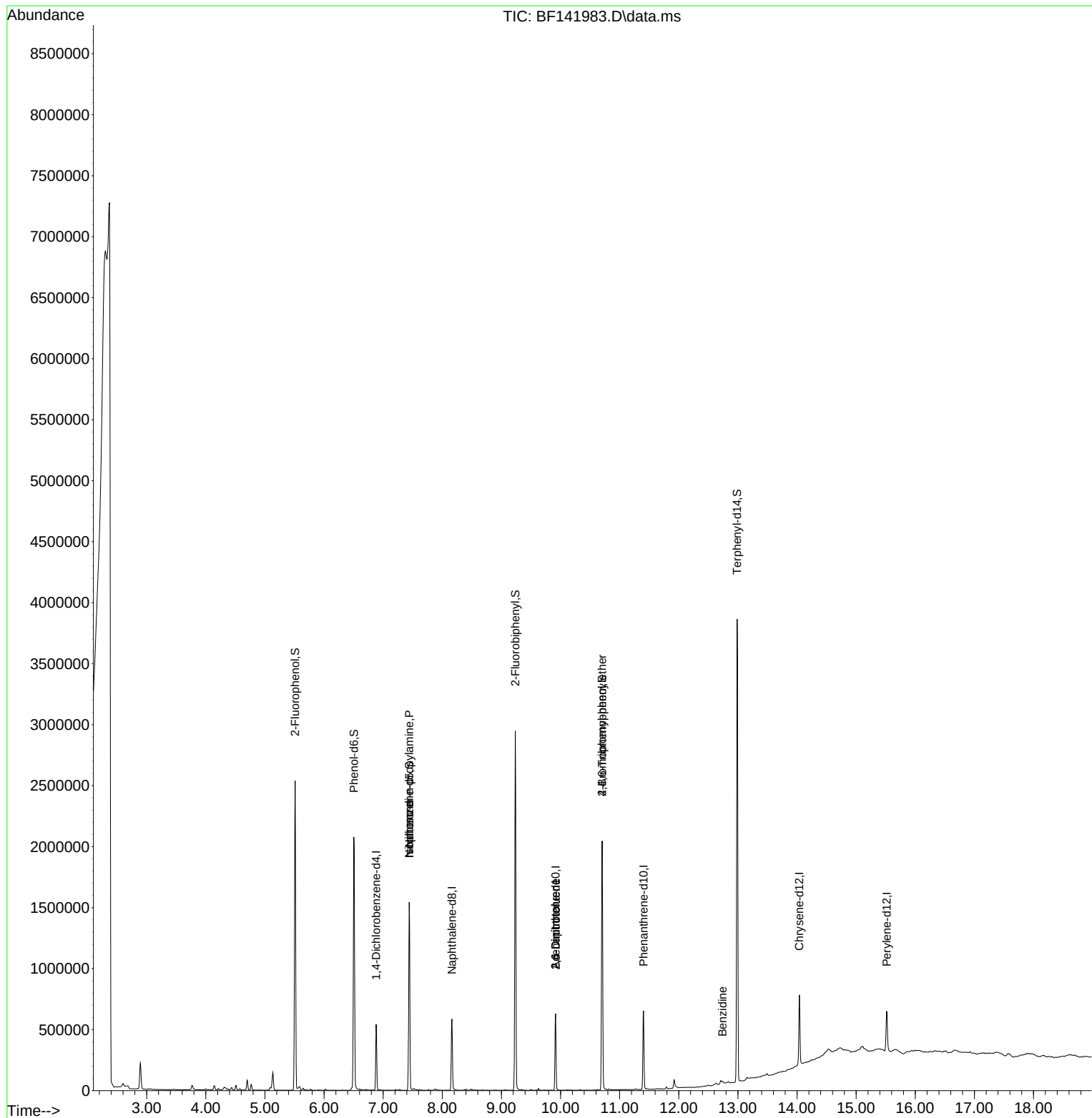
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	112765	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	384936	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	185847	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	340415	20.000	ng	0.00
76) Chrysene-d12	14.039	240	278167	20.000	ng	0.00
86) Perylene-d12	15.516	264	204952	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	978387	144.805	ng	0.02
7) Phenol-d6	6.504	99	1023198	118.940	ng	0.00
23) Nitrobenzene-d5	7.440	82	695404	101.665	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	368814	156.429	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1274098	104.261	ng	0.00
79) Terphenyl-d14	12.986	244	1917995	101.941	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	96899	17.530	ng	Qvalue 78
25) Isophorone	7.440	82	683672	56.543	ng	# 64
51) 2,6-Dinitrotoluene	9.916	165	24009	8.860	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	24009	6.784	ng	# 24
67) 4-Bromophenyl-phenylether	10.704	248	22675	5.304	ng	# 1
77) Benzidine	12.739	184	10550	2.718	ng	# 88

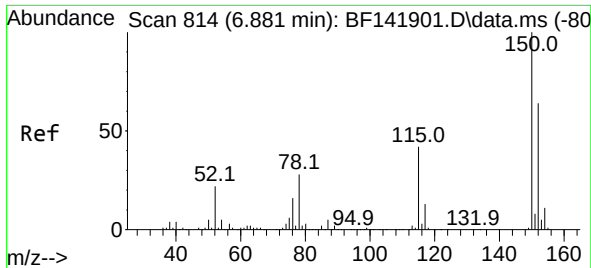
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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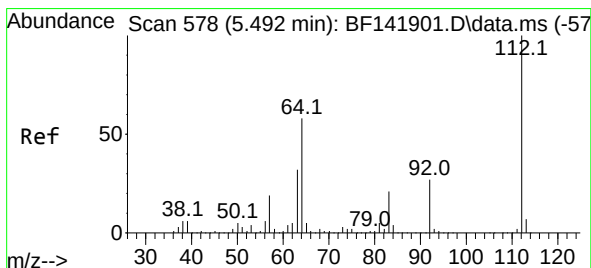
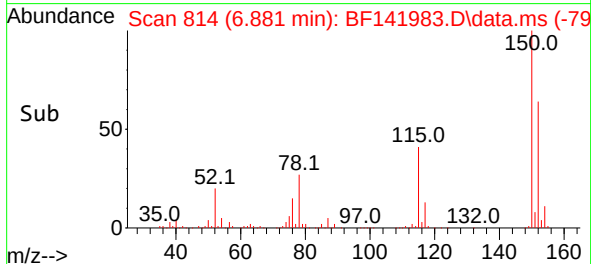
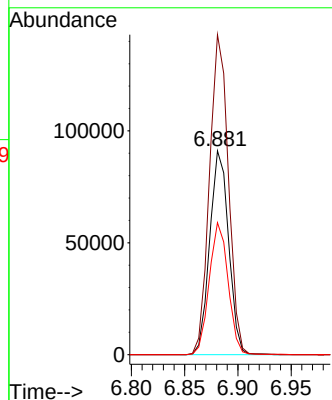
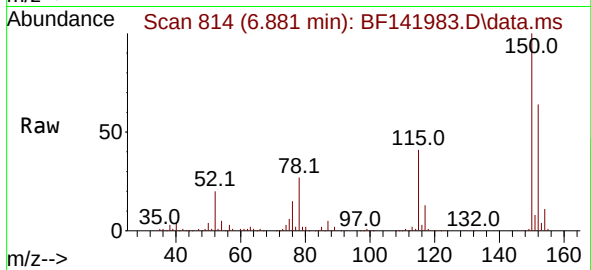




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

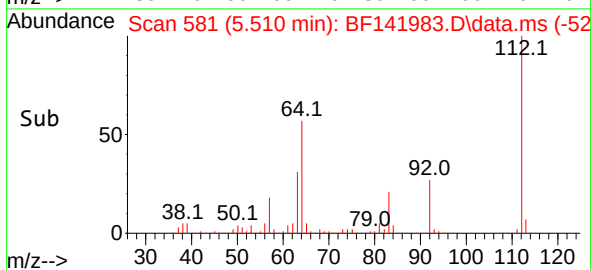
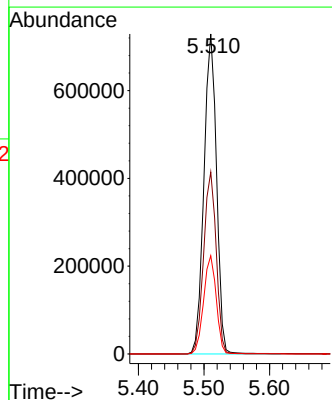
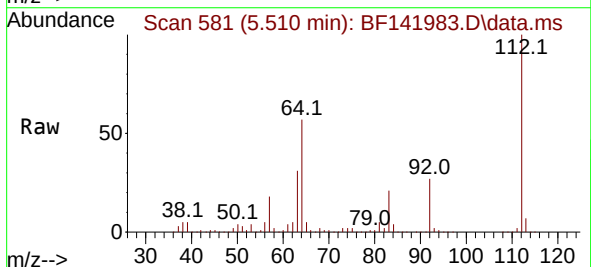
Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

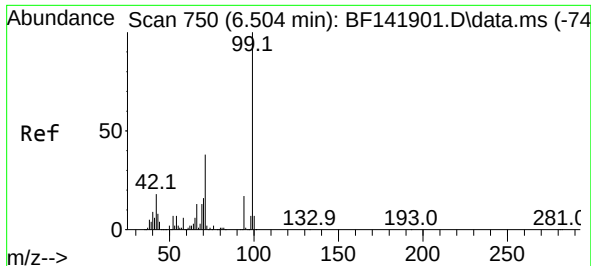
Tgt Ion:152 Resp: 112765
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.2
115 64.7 51.9 77.9



#5
2-Fluorophenol
Concen: 144.805 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:112 Resp: 978387
Ion Ratio Lower Upper
112 100
64 56.8 46.5 69.7
63 30.7 25.4 38.2



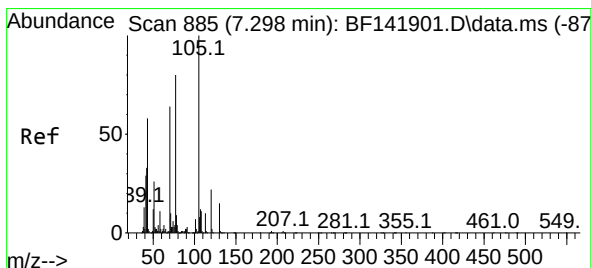
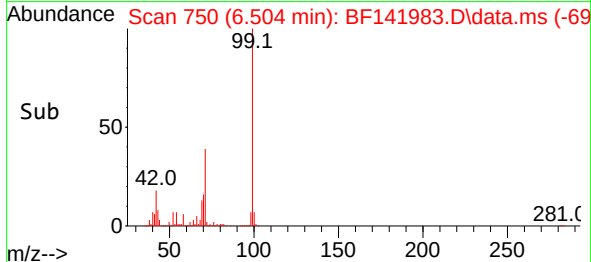
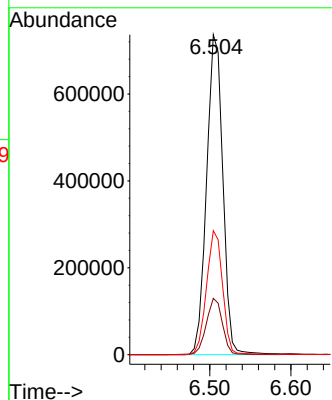
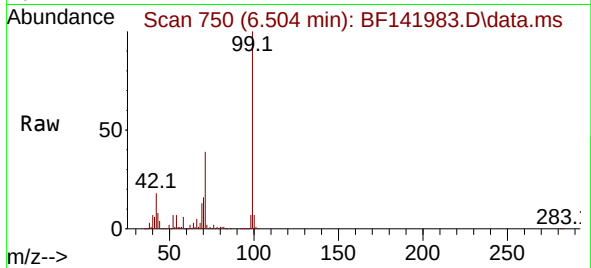


#7
Phenol-d6
Concen: 118.940 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Tgt Ion: 99 Resp: 1023198

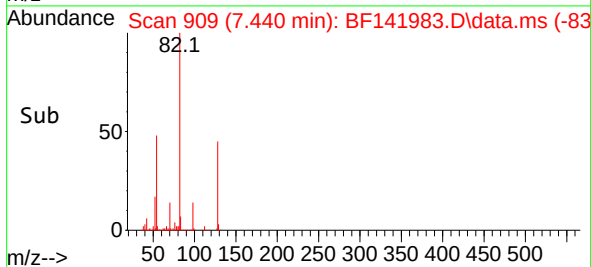
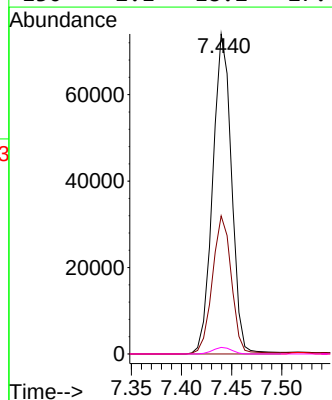
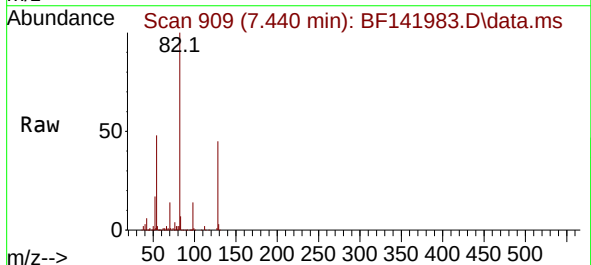
Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	38.7	30.8	46.2

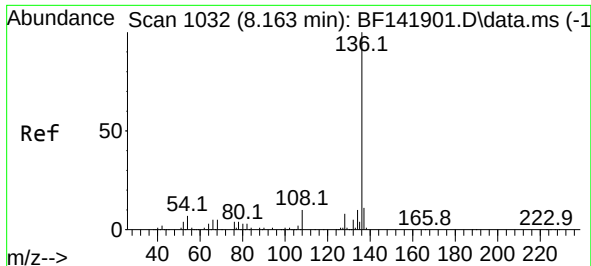


#19
n-Nitroso-di-n-propylamine
Concen: 17.530 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion: 70 Resp: 96899

Ion	Ratio	Lower	Upper
70	100		
42	43.2	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#

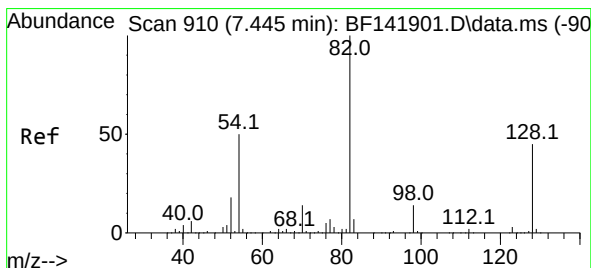
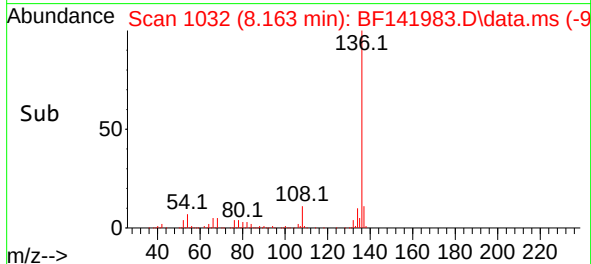
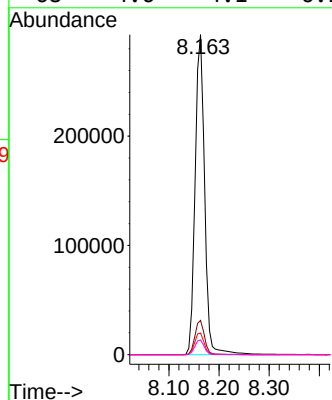
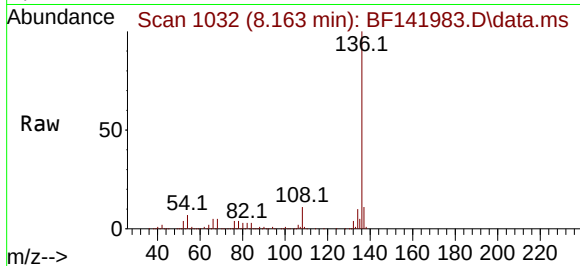




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

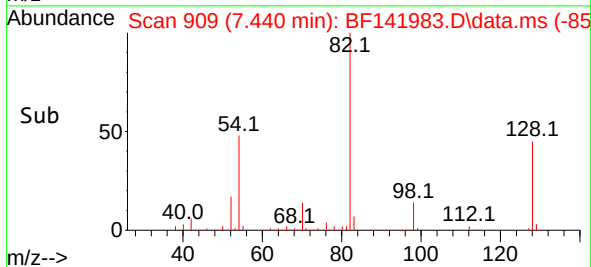
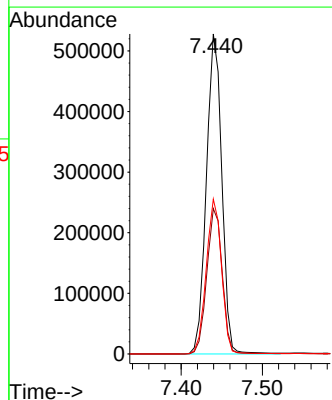
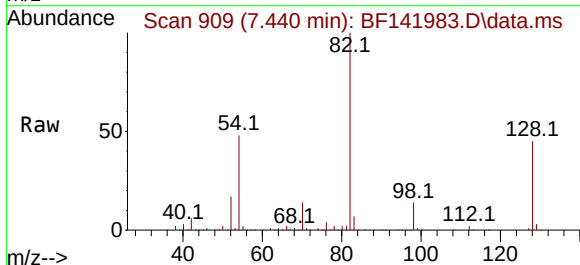
Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

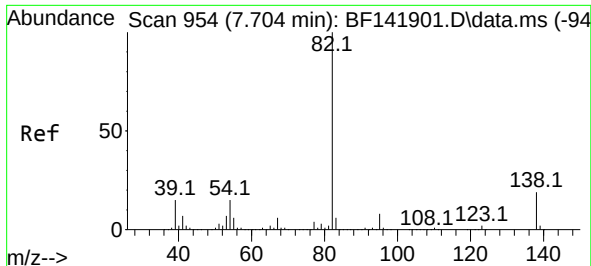
Tgt Ion:	136	Resp:	384936
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.7	5.8	8.8
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 101.665 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:	82	Resp:	695404
Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.0	54.0
54	48.4	39.6	59.4

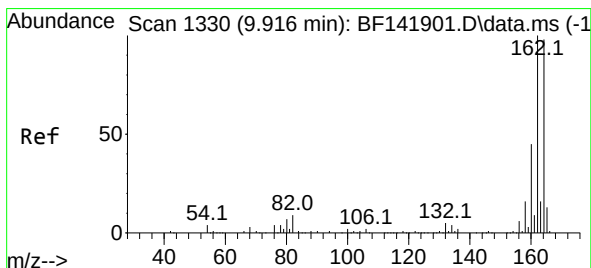
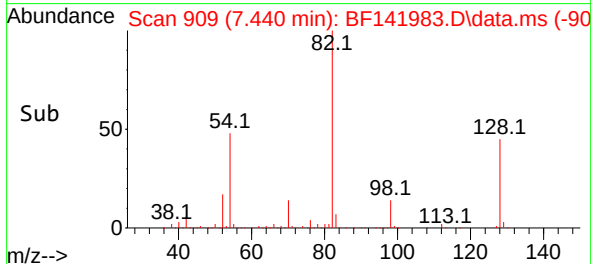
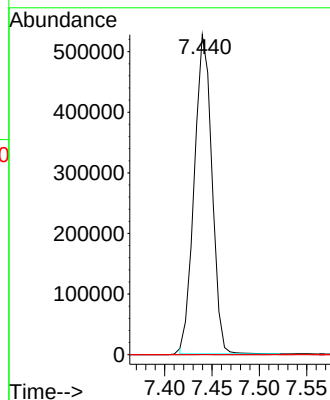
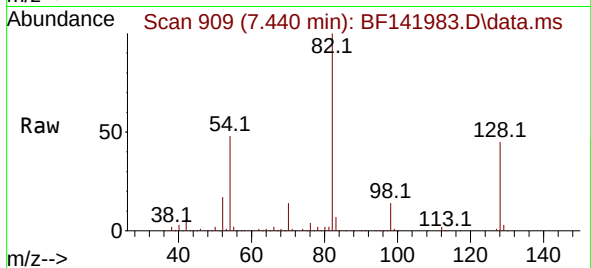




#25
Isophorone
Concen: 56.543 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.264 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

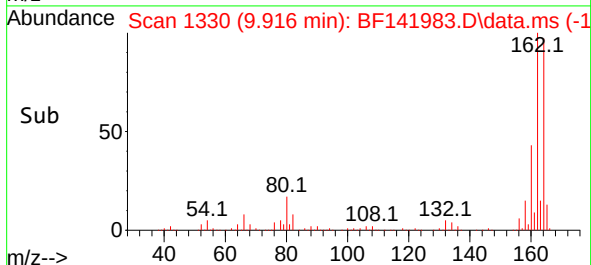
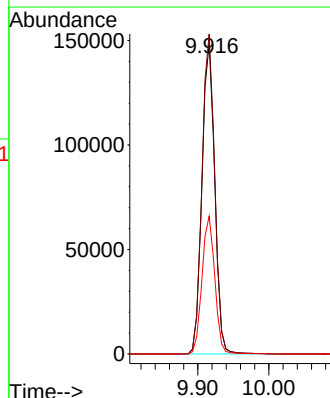
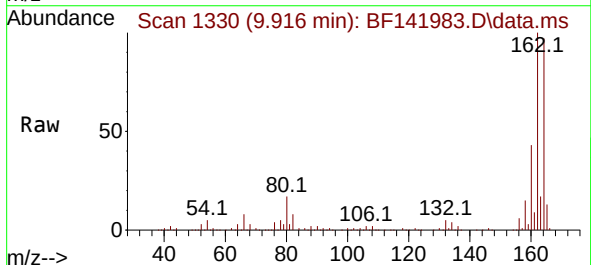
Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

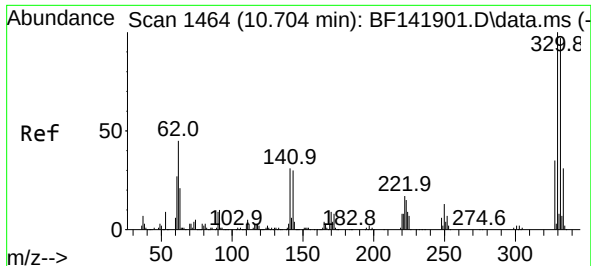
Tgt Ion: 82 Resp: 683672
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:164 Resp: 185847
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.6
160 44.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 156.429 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141983.D

Acq: 17 Mar 2025 16:01

Instrument :

BNA_F

ClientSampleId :

JC-03-03132025

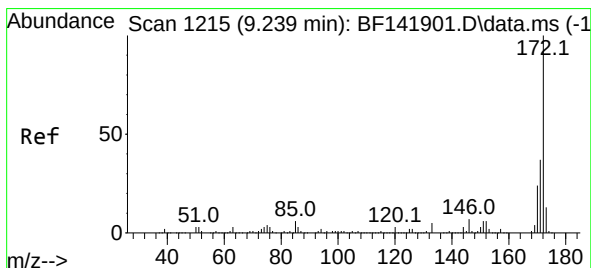
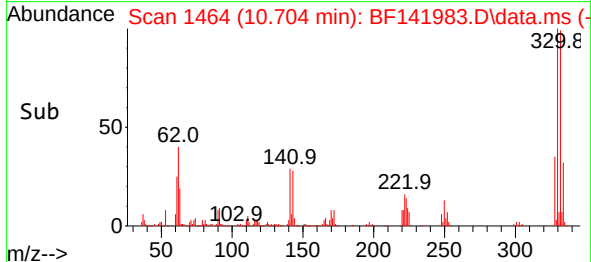
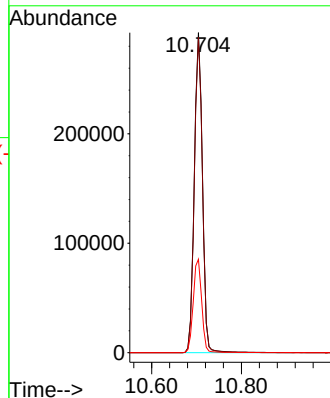
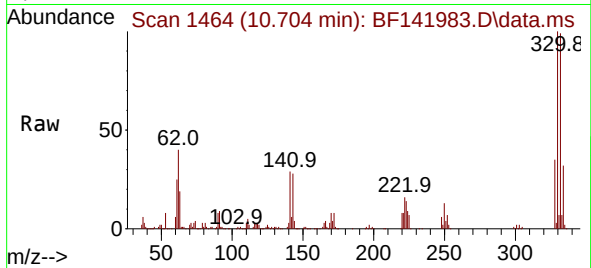
Tgt Ion:330 Resp: 368814

Ion Ratio Lower Upper

330 100

332 98.3 77.6 116.4

141 30.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 104.261 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141983.D

Acq: 17 Mar 2025 16:01

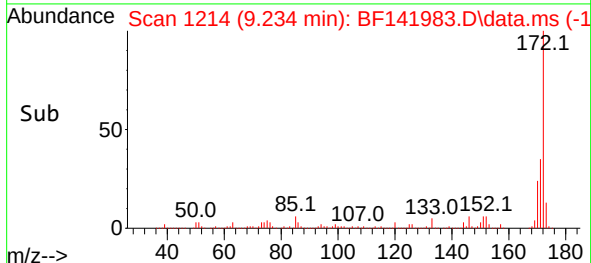
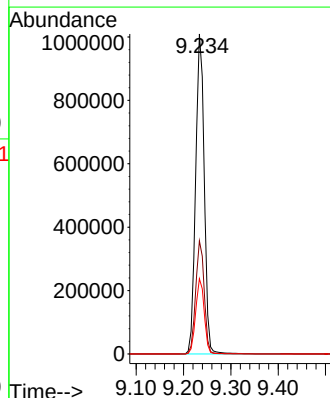
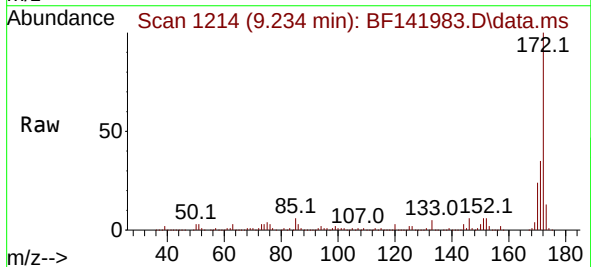
Tgt Ion:172 Resp: 1274098

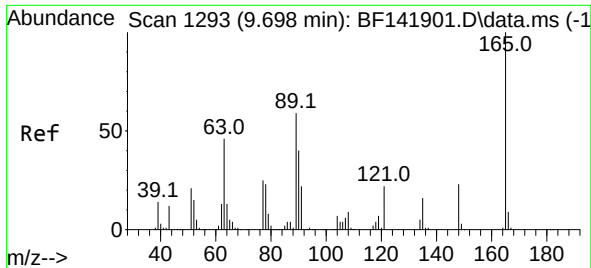
Ion Ratio Lower Upper

172 100

171 35.3 29.3 43.9

170 23.5 19.4 29.0

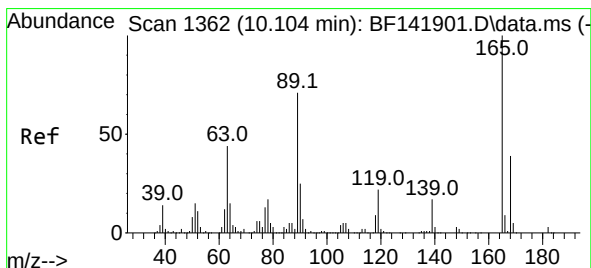
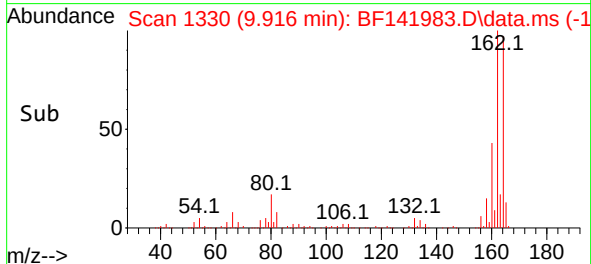
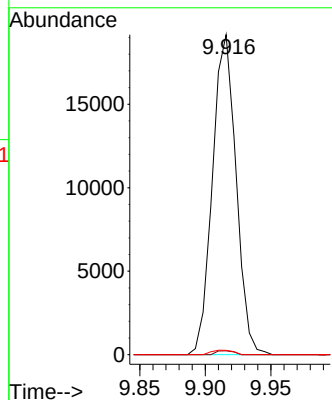
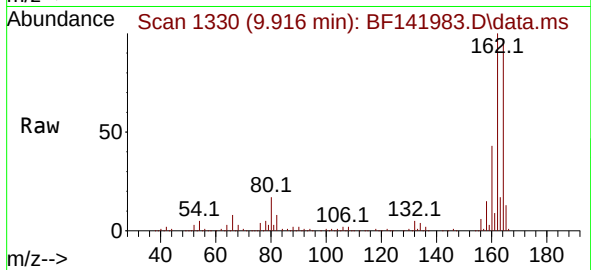




#51
2,6-Dinitrotoluene
Concen: 8.860 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

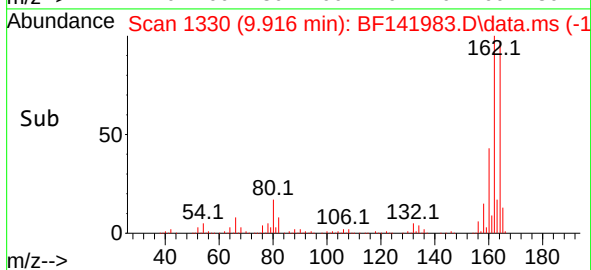
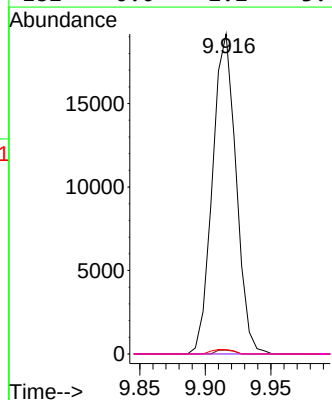
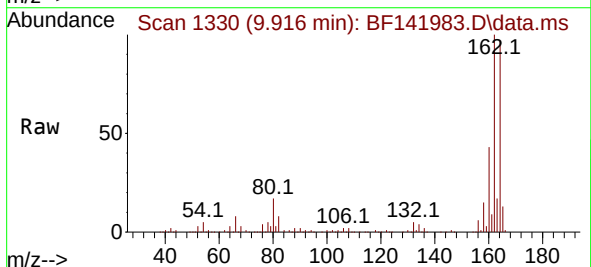
Instrument :
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JC-03-03132025

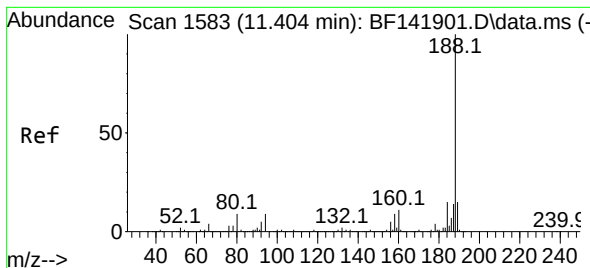
Tgt Ion:165 Resp: 24009
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.784 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:165 Resp: 24009
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141983.D

Acq: 17 Mar 2025 16:01

Instrument :

BNA_F

ClientSampleId :

JC-03-03132025

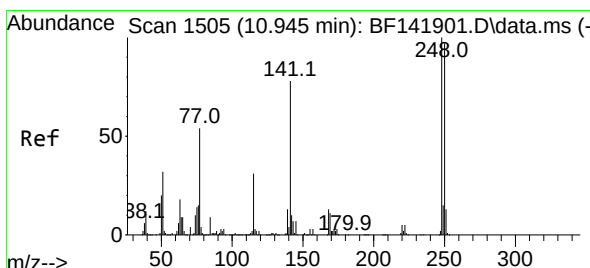
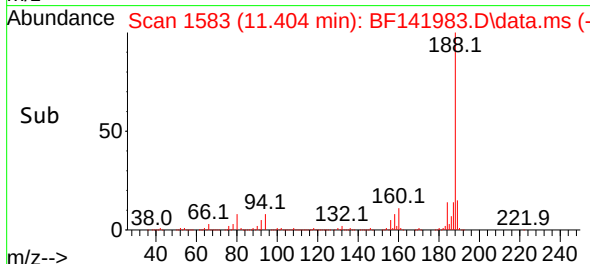
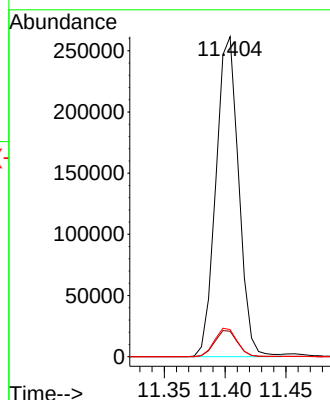
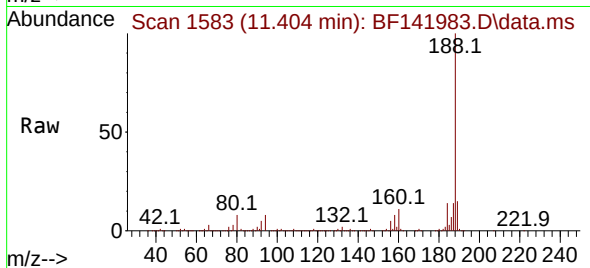
Tgt Ion:188 Resp: 340415

Ion Ratio Lower Upper

188 100

94 7.9 6.8 10.2

80 8.4 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.304 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF141983.D

Acq: 17 Mar 2025 16:01

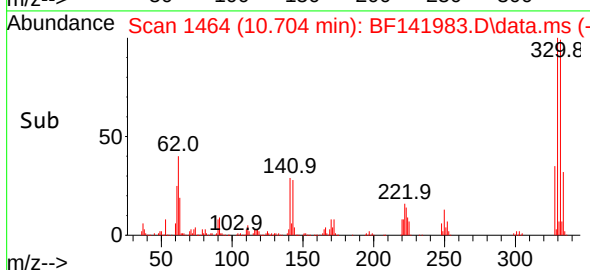
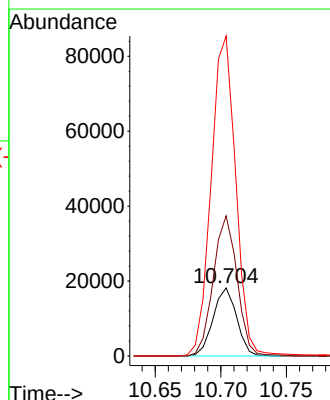
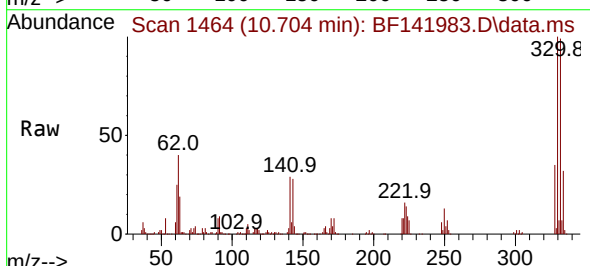
Tgt Ion:248 Resp: 22675

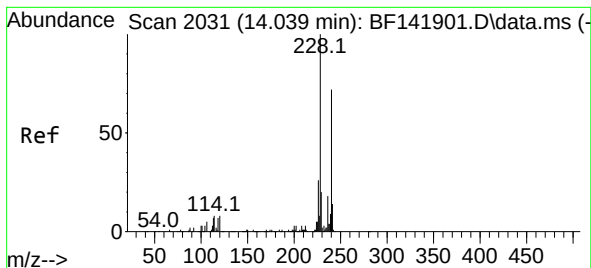
Ion Ratio Lower Upper

248 100

250 206.3 77.8 116.8#

141 470.9 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF141983.D

Acq: 17 Mar 2025 16:01

Instrument :

BNA_F

ClientSampleId :

JC-03-03132025

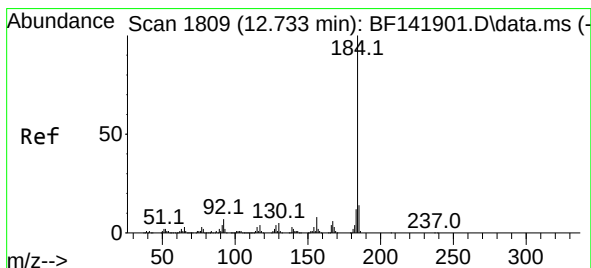
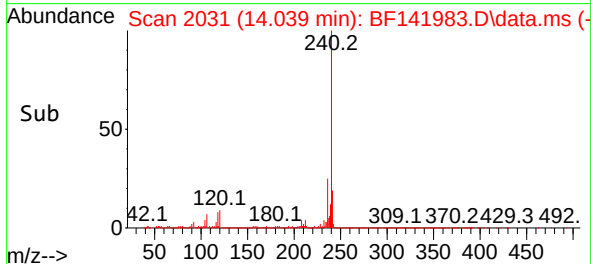
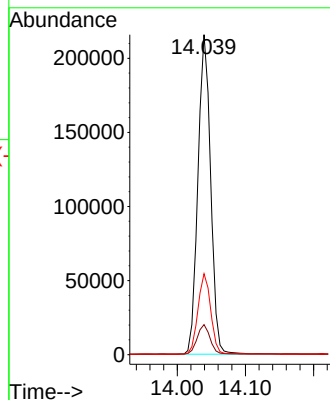
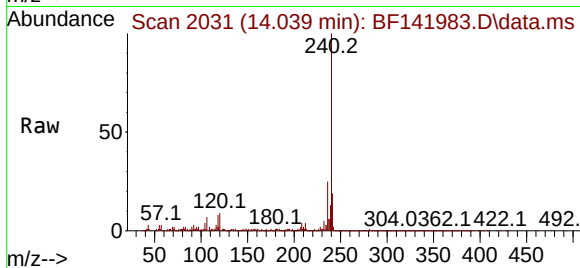
Tgt Ion:240 Resp: 278167

Ion Ratio Lower Upper

240 100

120 9.4 8.4 12.6

236 25.3 20.5 30.7



#77

Benzidine

Concen: 2.718 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.006 min

Lab File: BF141983.D

Acq: 17 Mar 2025 16:01

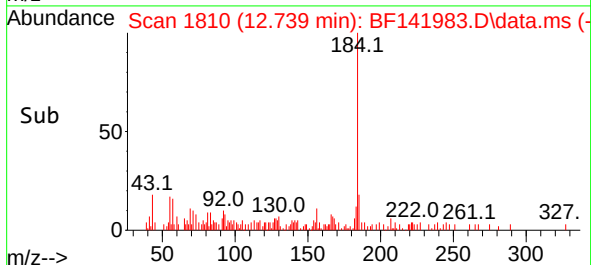
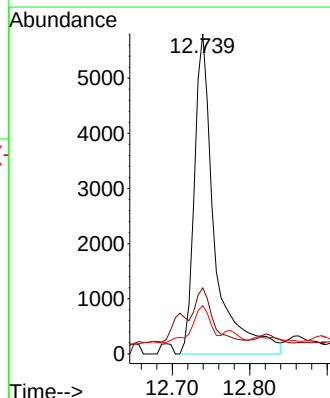
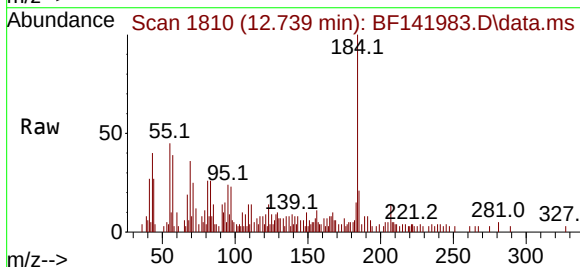
Tgt Ion:184 Resp: 10550

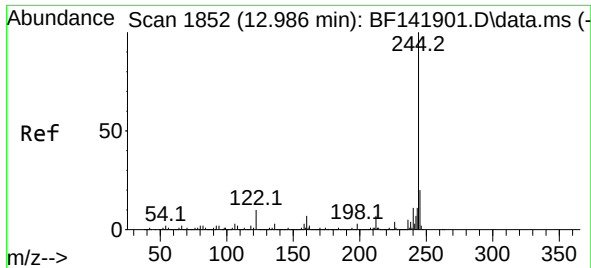
Ion Ratio Lower Upper

184 100

185 20.6 11.5 17.3#

183 15.1 9.7 14.5#

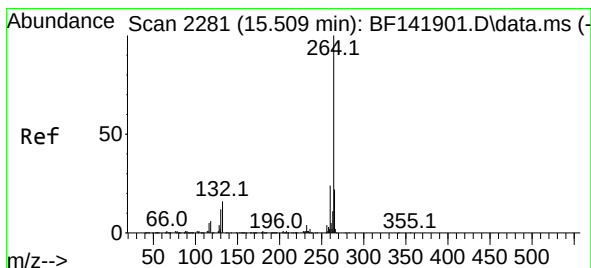
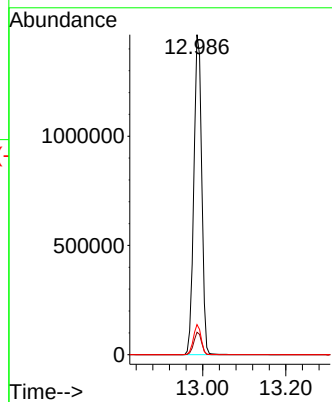
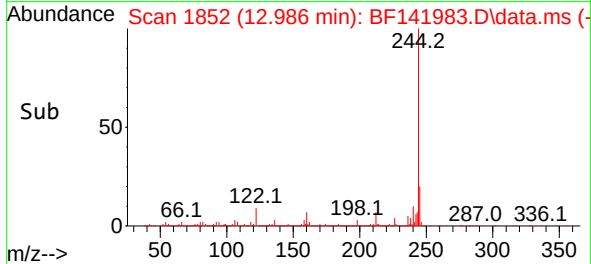
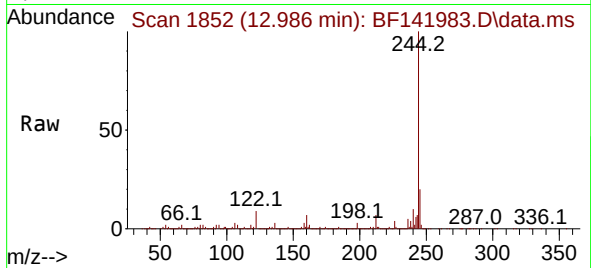




#79
 Terphenyl-d14
 Concen: 101.941 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141983.D
 Acq: 17 Mar 2025 16:01

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025

Tgt Ion:244 Resp: 1917995
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.4 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.516 min Scan# 2282
 Delta R.T. 0.006 min
 Lab File: BF141983.D
 Acq: 17 Mar 2025 16:01

Tgt Ion:264 Resp: 204952
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.1 28.7
 265 21.7 17.5 26.3

