

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141940.D
 Acq On : 13 Mar 2025 12:47
 Operator : RC/JU
 Sample : PB167097BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BL

Quant Time: Mar 13 13:06:16 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)

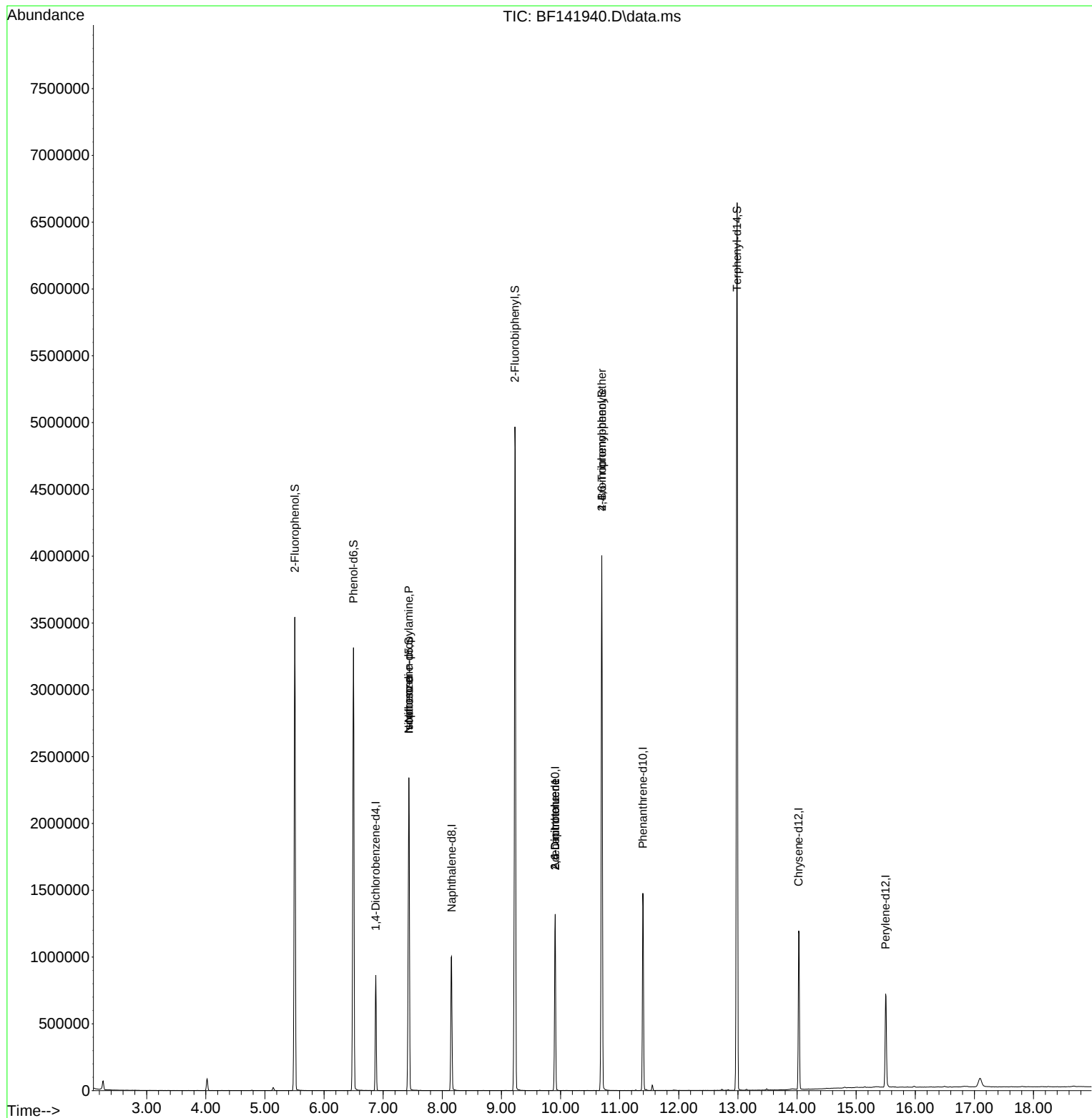
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	176773	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	705846	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	407739	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	769835	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	601564	20.000	ng	-0.01
86) Perylene-d12	15.498	264	427331	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1423729	134.418	ng	0.01
7) Phenol-d6	6.498	99	1748591	129.663	ng	0.00
23) Nitrobenzene-d5	7.434	82	1170774	93.344	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	794330	153.562	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2412754	89.992	ng	-0.01
79) Terphenyl-d14	12.986	244	3551821	87.293	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	163996	18.925	ng	# 78
25) Isophorone	7.434	82	1141728	51.496	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	51885	8.728	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	51885	6.682	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	48788	5.046	ng	# 1

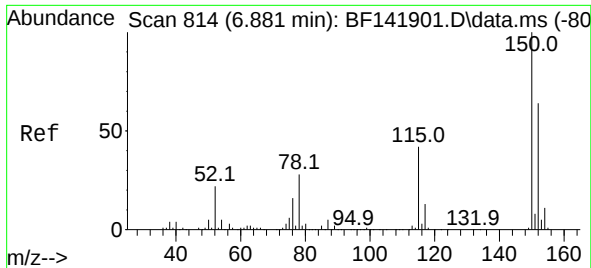
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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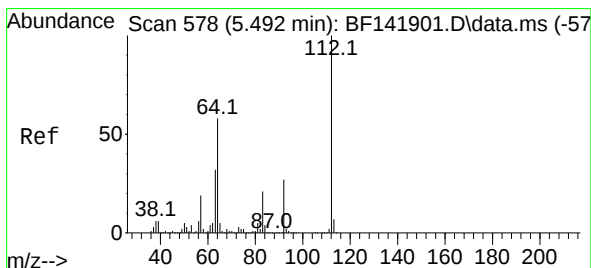
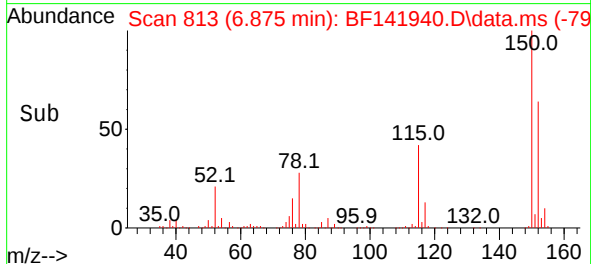
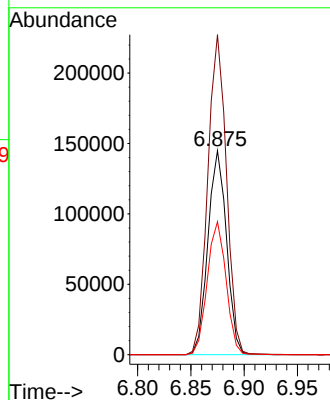
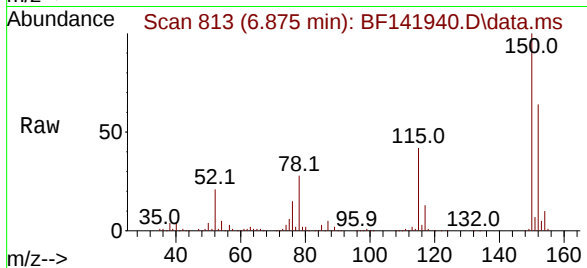




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

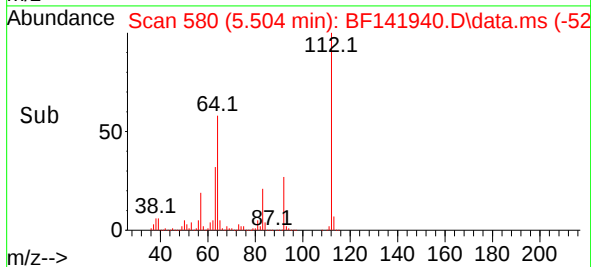
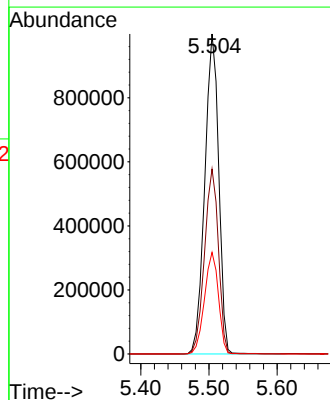
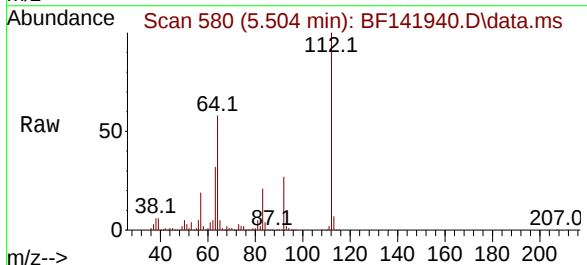
Instrument :
BNA_F
ClientSampleId :
PB167097BL

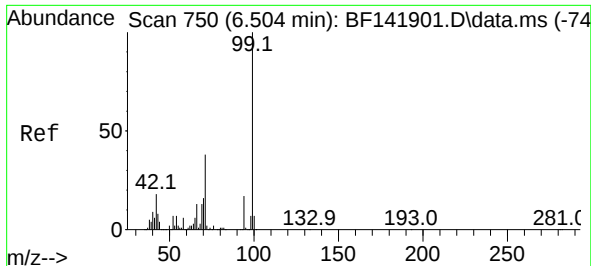
Tgt Ion:152 Resp: 176773
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.2
115 65.2 51.9 77.9



#5
2-Fluorophenol
Concen: 134.418 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:112 Resp: 1423729
Ion Ratio Lower Upper
112 100
64 57.8 46.5 69.7
63 31.8 25.4 38.2

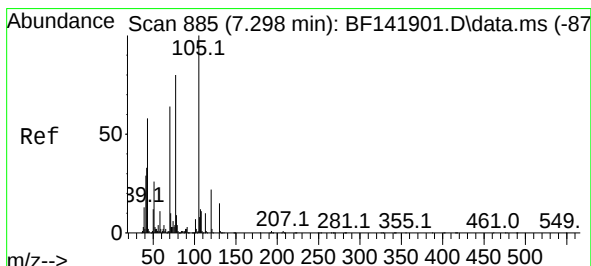
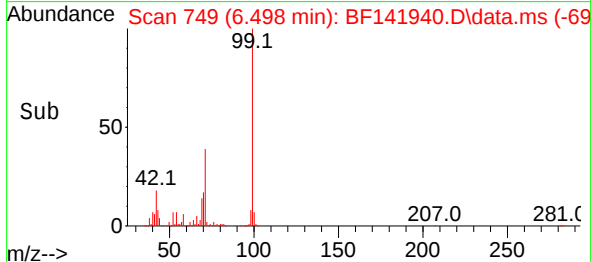
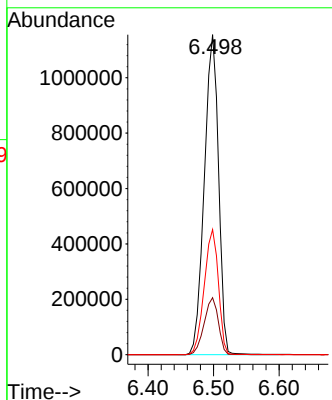
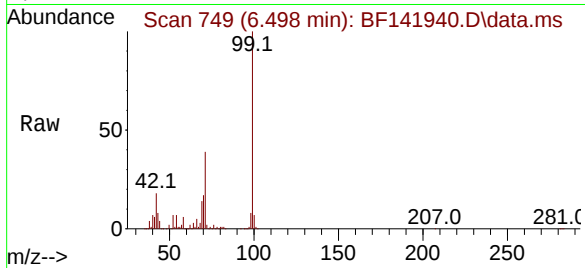




#7
Phenol-d6
Concen: 129.663 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

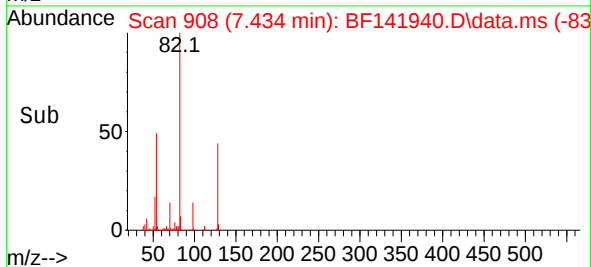
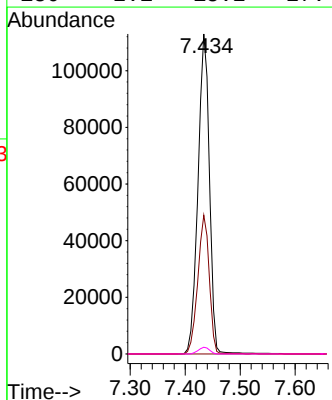
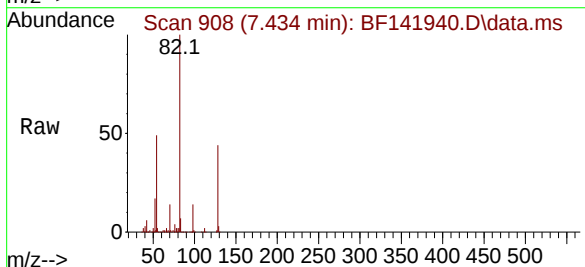
Instrument :
BNA_F
ClientSampleId :
PB167097BL

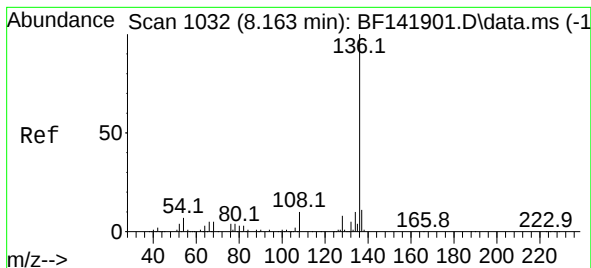
Tgt Ion: 99 Resp: 1748591
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 39.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.925 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.136 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion: 70 Resp: 163996
Ion Ratio Lower Upper
70 100
42 43.3 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: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141940.D

Acq: 13 Mar 2025 12:47

Instrument :

BNA_F

ClientSampleId :

PB167097BL

Tgt Ion:136 Resp: 705846

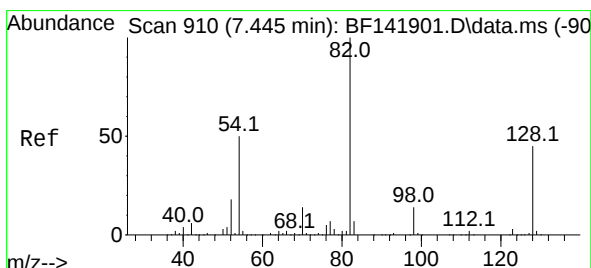
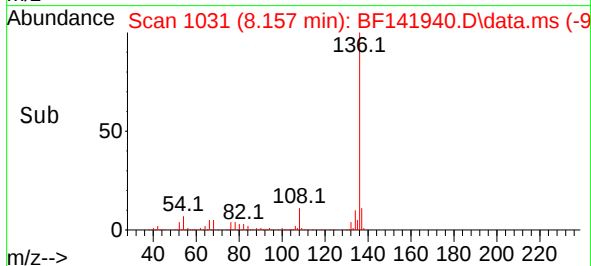
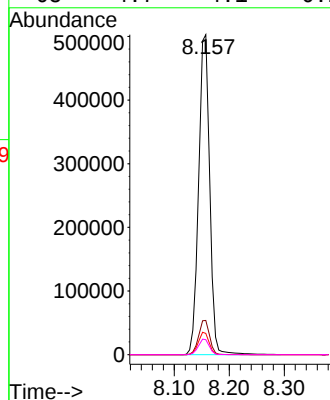
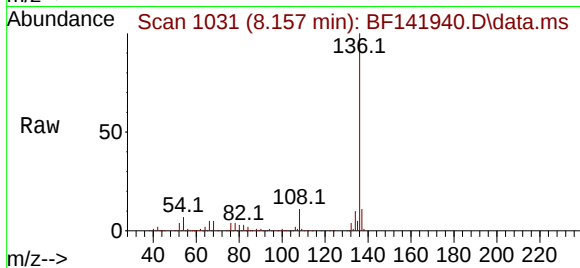
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.7 5.8 8.8

68 4.7 4.1 6.1



#23

Nitrobenzene-d5

Concen: 93.344 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF141940.D

Acq: 13 Mar 2025 12:47

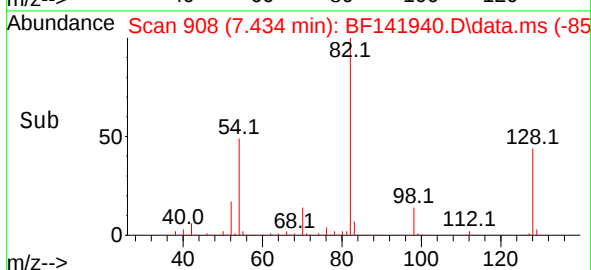
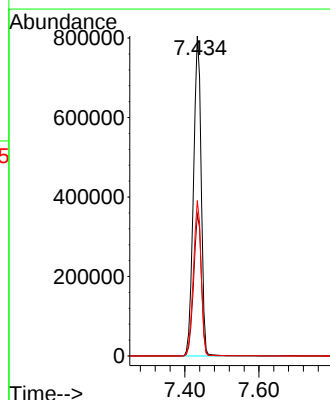
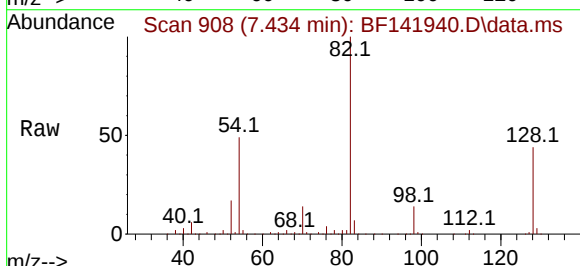
Tgt Ion: 82 Resp: 1170774

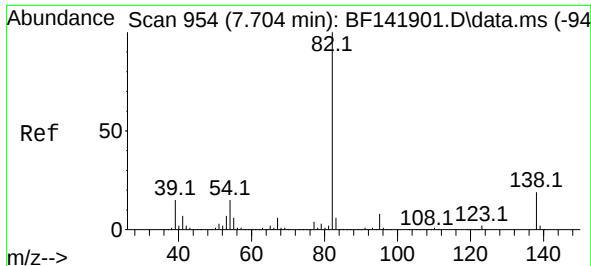
Ion Ratio Lower Upper

82 100

128 44.3 36.0 54.0

54 48.6 39.6 59.4

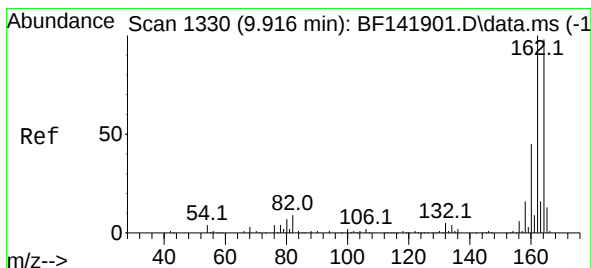
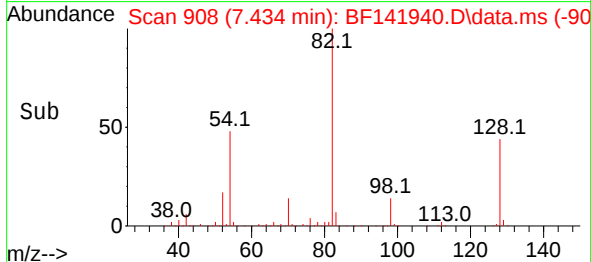
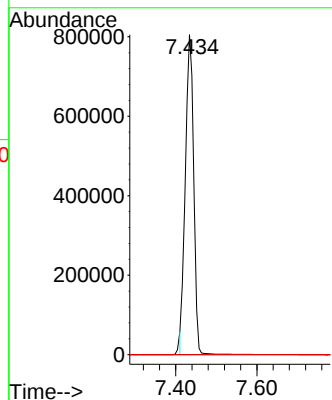
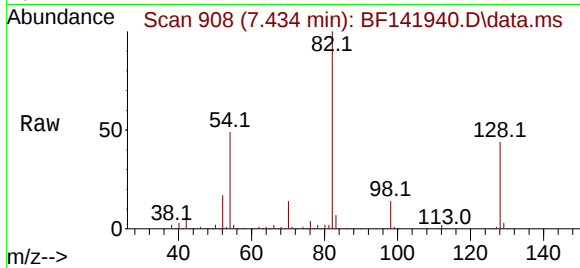




#25
Isophorone
Concen: 51.496 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

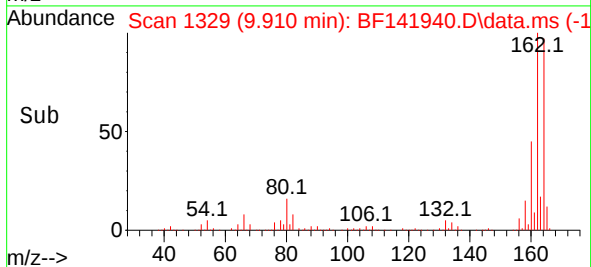
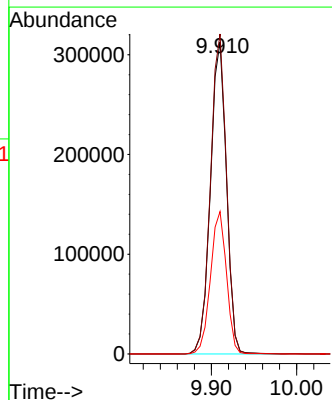
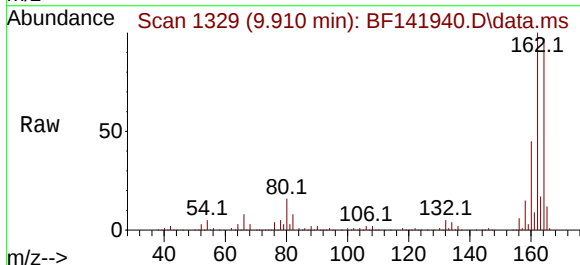
Instrument :
BNA_F
ClientSampleId :
PB167097BL

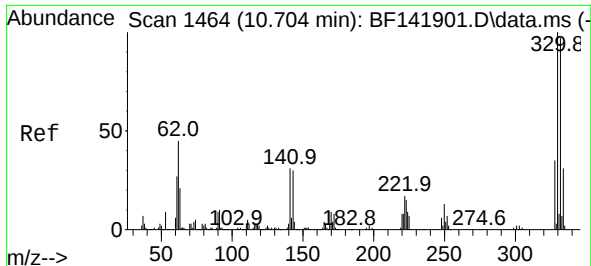
Tgt Ion: 82 Resp: 1141728
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:164 Resp: 407739
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 153.562 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141940.D

Acq: 13 Mar 2025 12:47

Instrument :

BNA_F

ClientSampleId :

PB167097BL

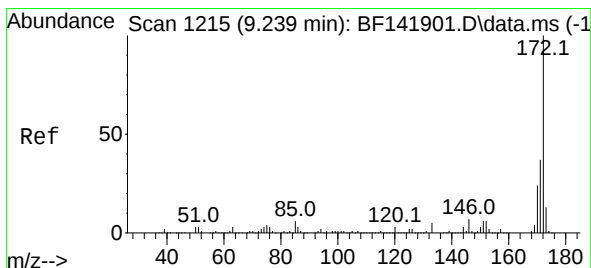
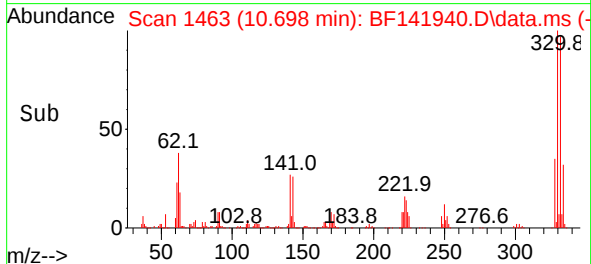
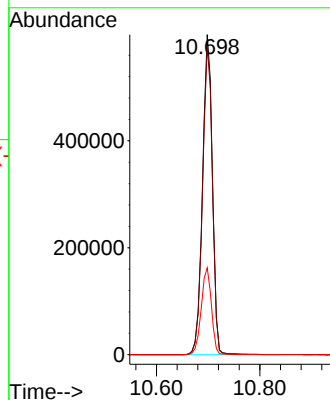
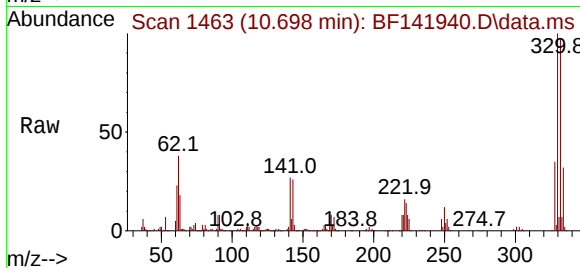
Tgt Ion:330 Resp: 794330

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 28.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 89.992 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF141940.D

Acq: 13 Mar 2025 12:47

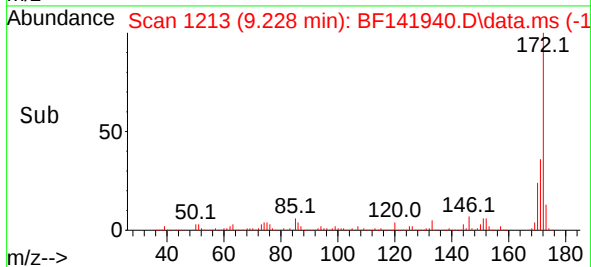
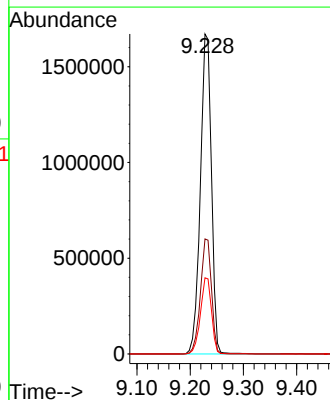
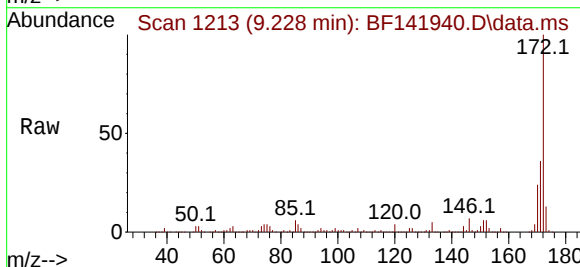
Tgt Ion:172 Resp: 2412754

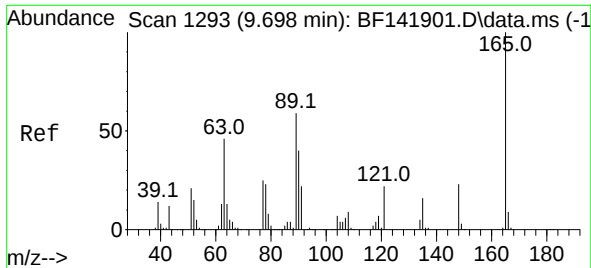
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.8 19.4 29.0

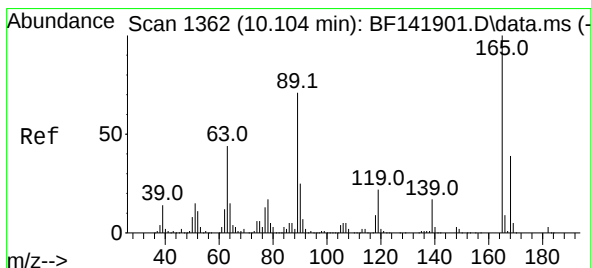
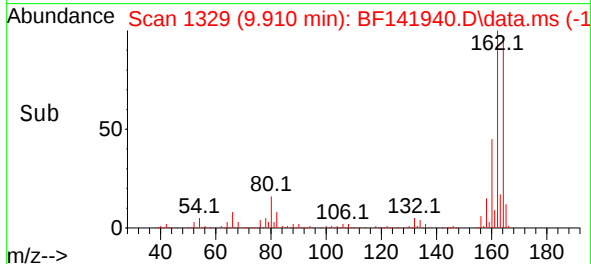
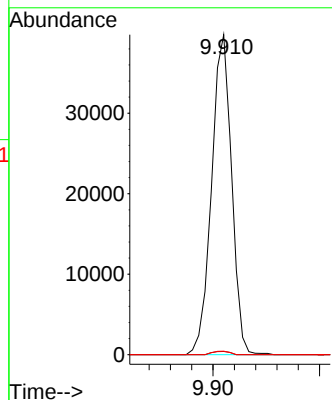
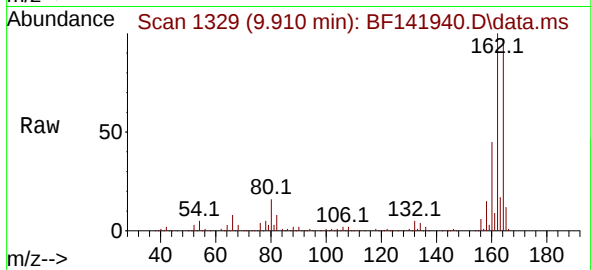




#51
2,6-Dinitrotoluene
Concen: 8.728 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

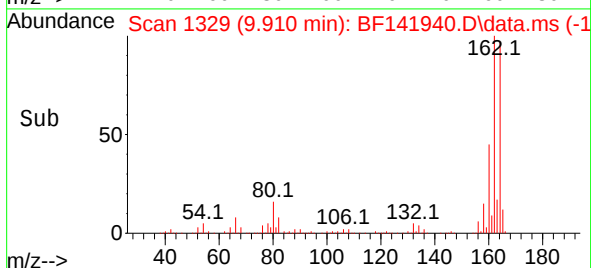
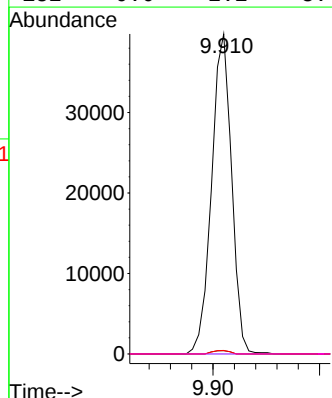
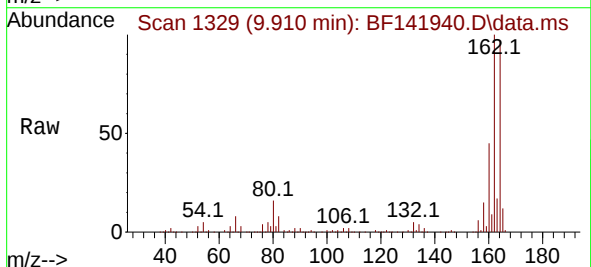
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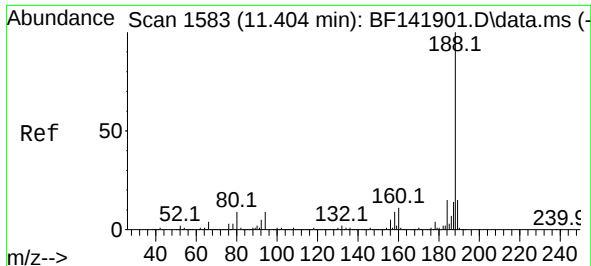
Tgt Ion:165 Resp: 51885
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.682 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:165 Resp: 51885
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.1 56.6 84.8#
182 0.0 2.2 3.4#

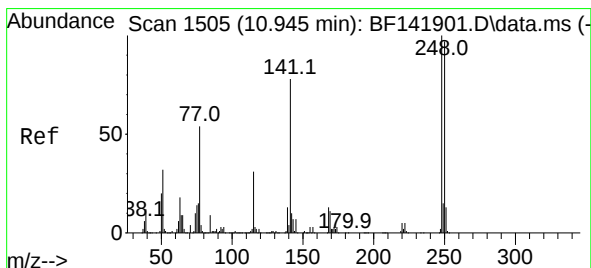
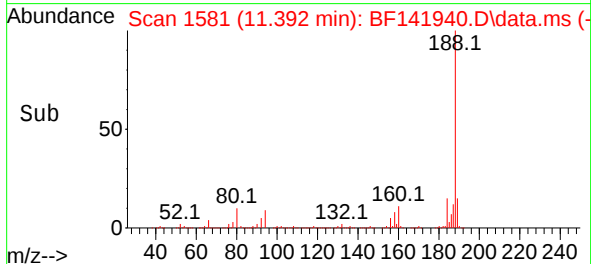
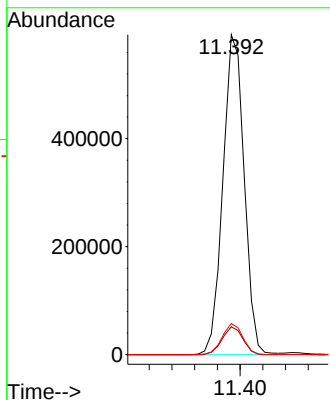
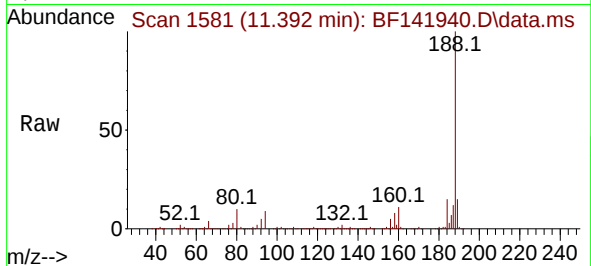




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

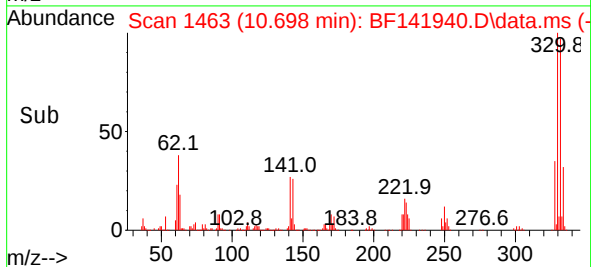
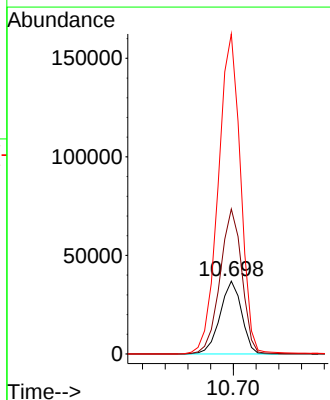
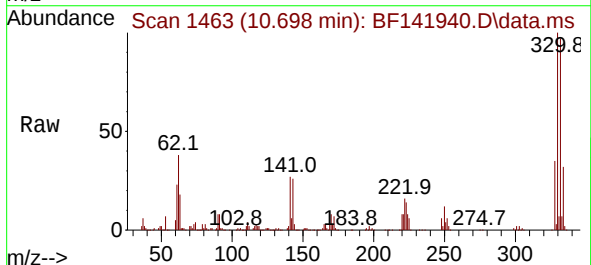
Instrument :
BNA_F
ClientSampleId :
PB167097BL

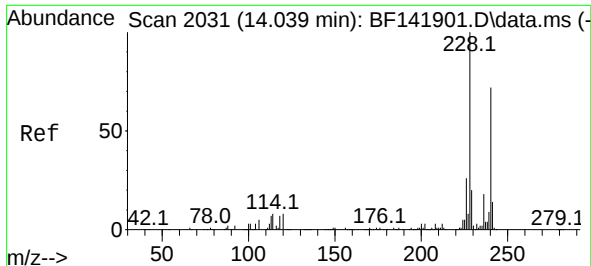
Tgt Ion:188 Resp: 769835
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.046 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

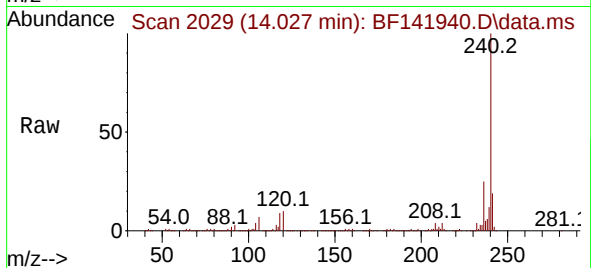
Tgt Ion:248 Resp: 48788
Ion Ratio Lower Upper
248 100
250 199.0 77.8 116.8#
141 439.6 62.6 93.8#



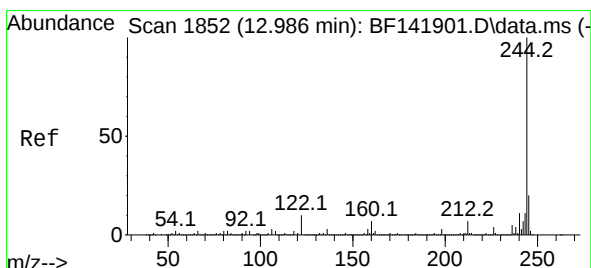
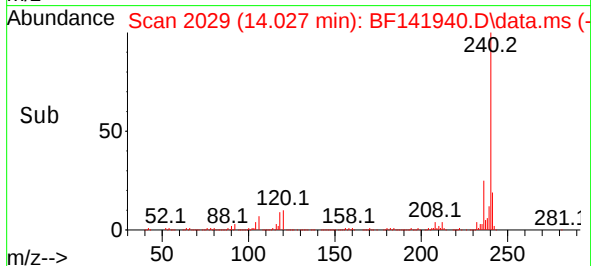
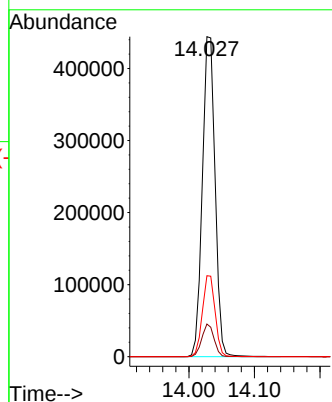


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Instrument :
BNA_F
ClientSampleId :
PB167097BL

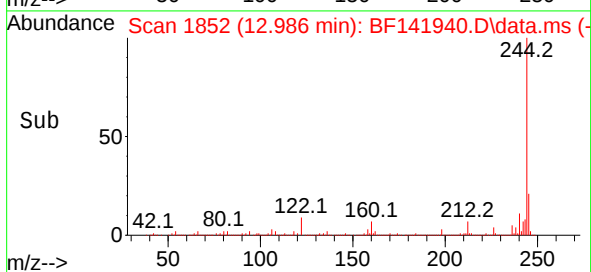
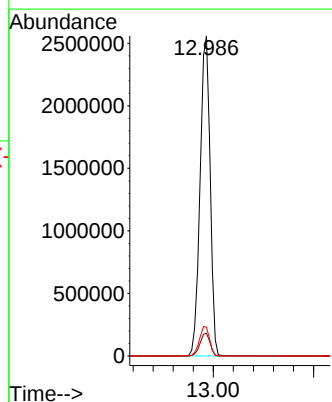
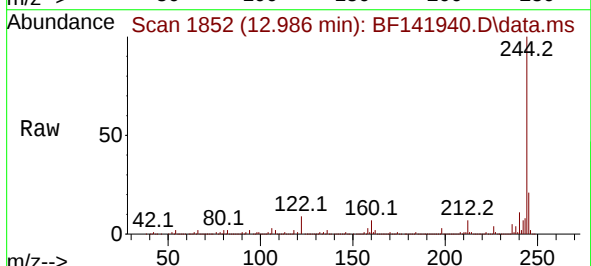


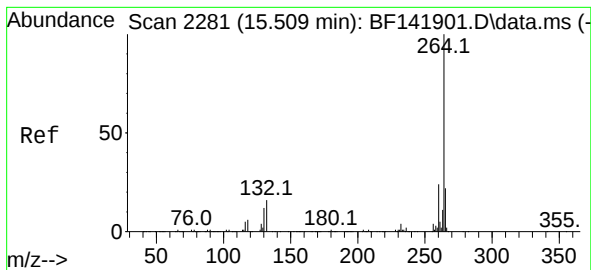
Tgt Ion:240 Resp: 601564
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 25.3 20.5 30.7



#79
Terphenyl-d14
Concen: 87.293 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:244 Resp: 3551821
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.0 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141940.D

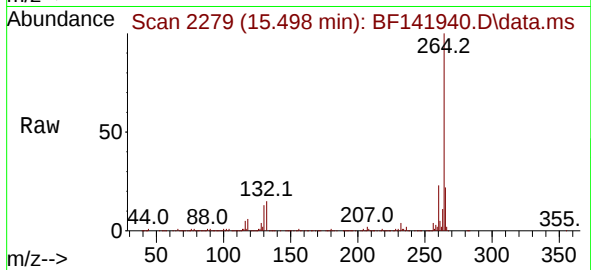
Acq: 13 Mar 2025 12:47

Instrument :

BNA_F

ClientSampleId :

PB167097BL



Tgt Ion:264 Resp: 427331

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 21.7 17.5 26.3

