

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142059.D
 Acq On : 24 Mar 2025 17:24
 Operator : RC/JU
 Sample : Q1606-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 17:52:23 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)

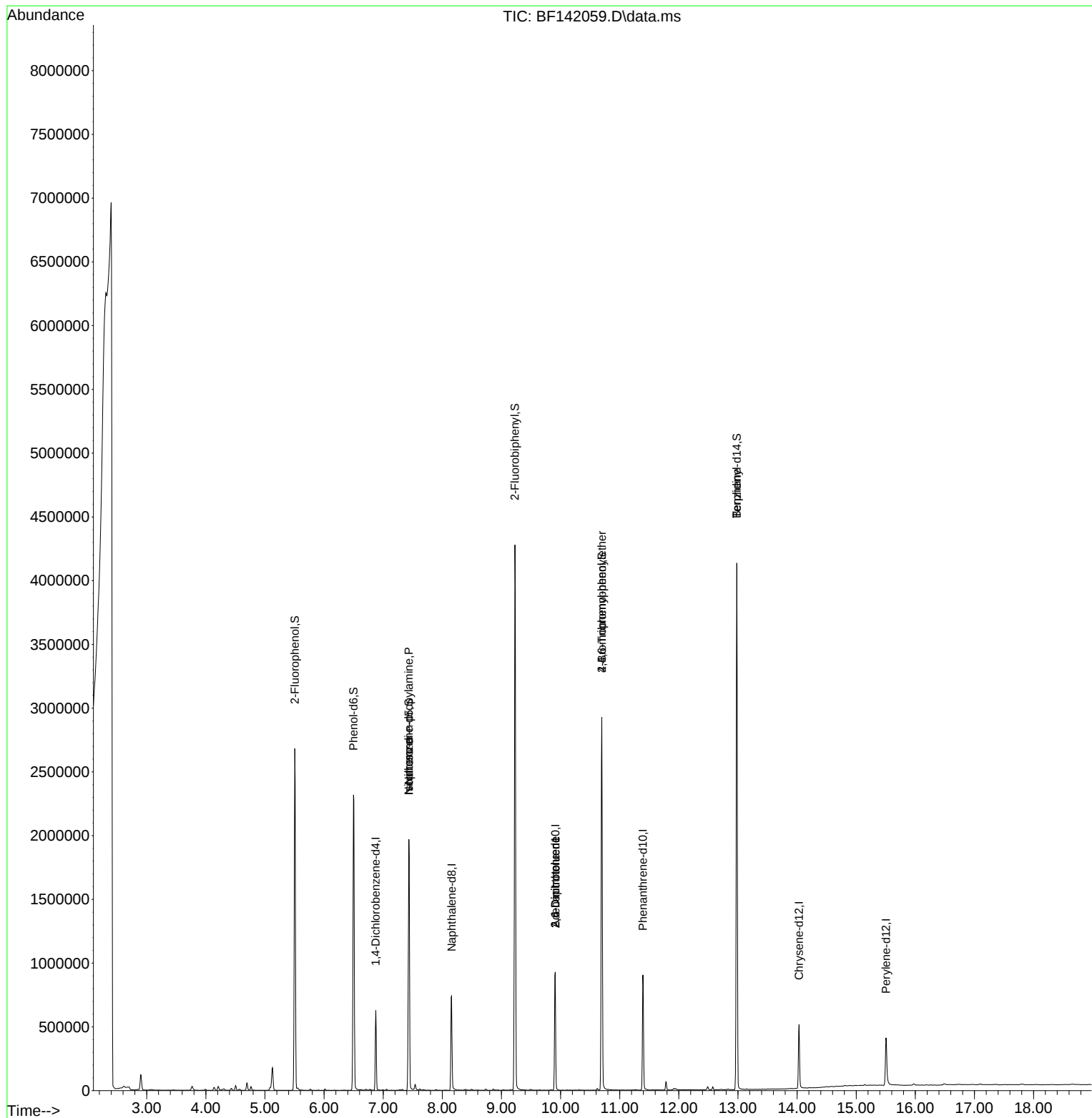
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	131148	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	512582	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	288899	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	481499	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	267158	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	257405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1077015	137.058	ng	0.01
7) Phenol-d6	6.498	99	1204019	120.341	ng	0.00
23) Nitrobenzene-d5	7.434	82	937066	102.880	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	575107	156.916	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1961416	103.252	ng	-0.01
79) Terphenyl-d14	12.980	244	2073967	114.773	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	131283	20.421	ng	# 78
25) Isophorone	7.434	82	917436	56.982	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	37455	8.892	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	37455	6.808	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	35154	5.813	ng	# 1
77) Benzidine	12.980	184	27655	7.419	ng	# 94

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

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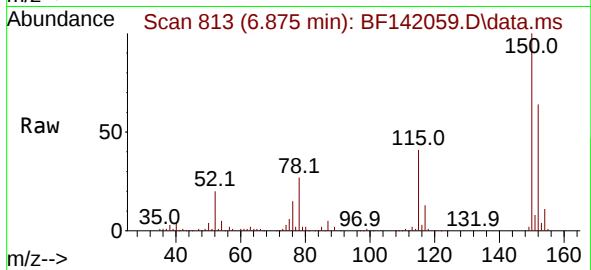
Quant Time: Mar 24 17:52:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



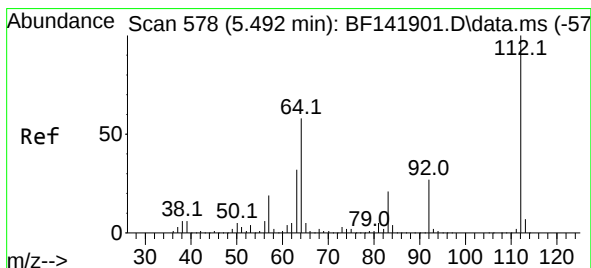
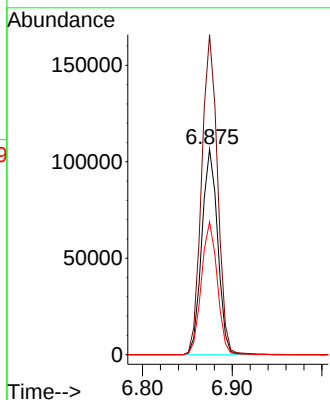
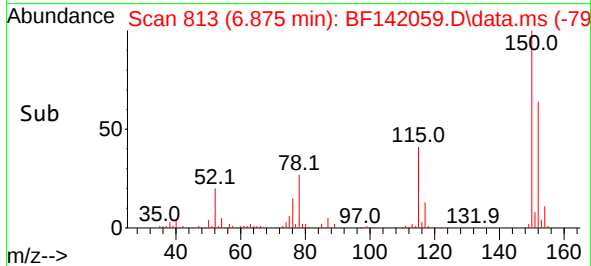


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF142059.D
 Acq: 24 Mar 2025 17:24

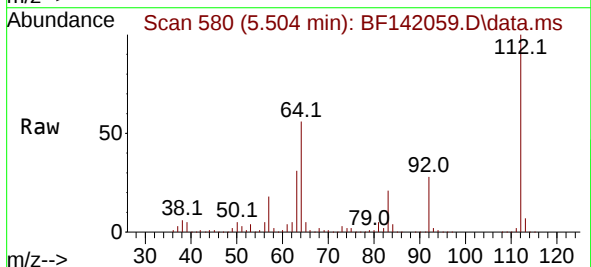
Instrument :
 BNA_F
 ClientSampleId :



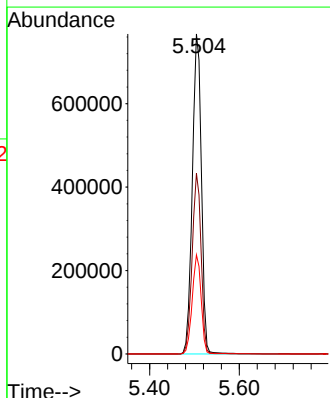
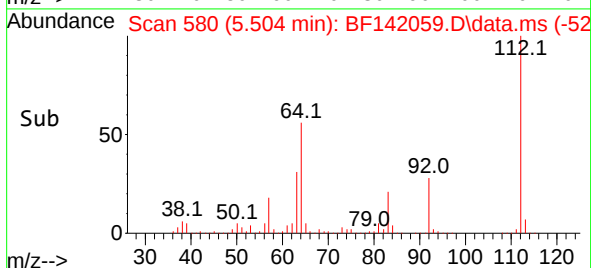
Tgt Ion:152 Resp: 131148
 Ion Ratio Lower Upper
 152 100
 150 155.8 127.4 191.2
 115 64.6 51.9 77.9

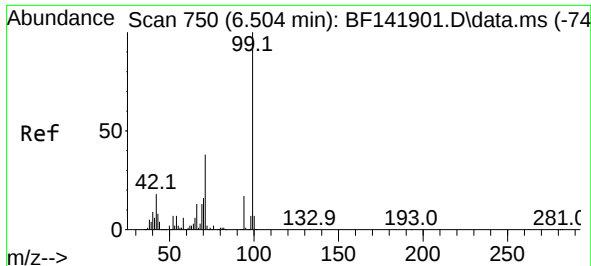


#5
 2-Fluorophenol
 Concen: 137.058 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.012 min
 Lab File: BF142059.D
 Acq: 24 Mar 2025 17:24



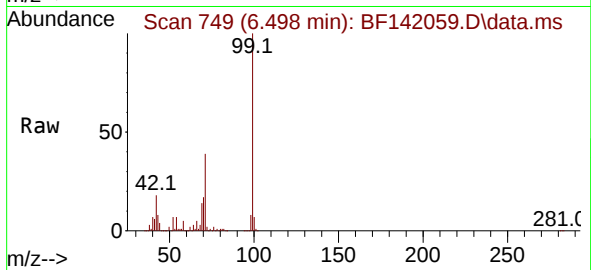
Tgt Ion:112 Resp: 1077015
 Ion Ratio Lower Upper
 112 100
 64 56.5 46.5 69.7
 63 30.9 25.4 38.2





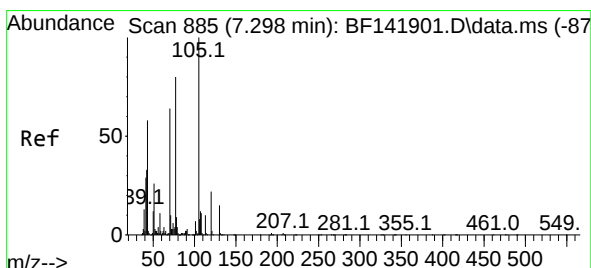
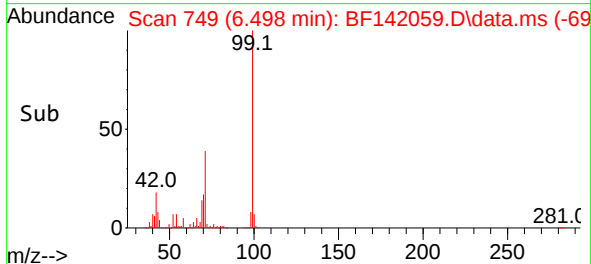
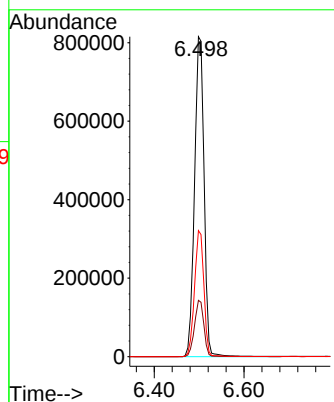
#7
Phenol-d6
Concen: 120.341 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 1204019

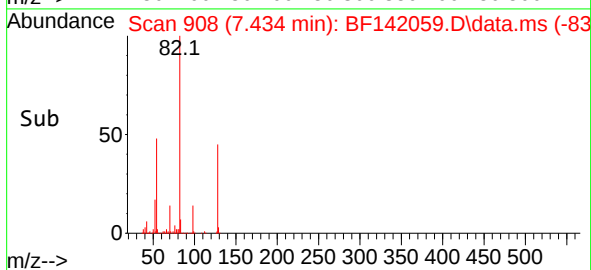
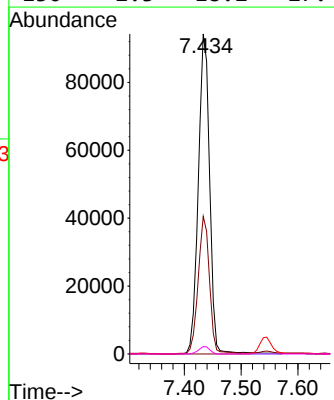
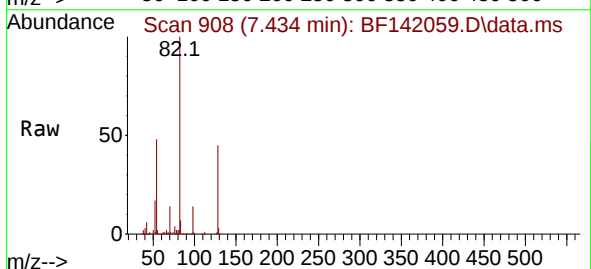
Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	39.4	30.8	46.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.421 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

Tgt Ion: 70 Resp: 131283

Ion	Ratio	Lower	Upper
70	100		
42	43.0	41.4	62.0
101	0.0	8.2	12.2#
130	2.3	18.2	27.4#



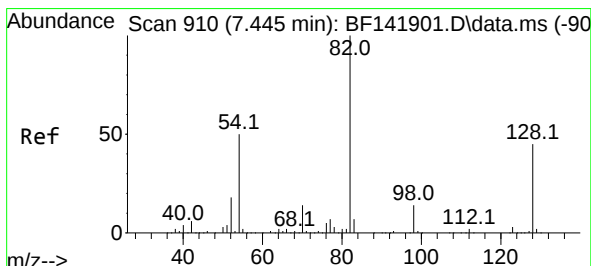
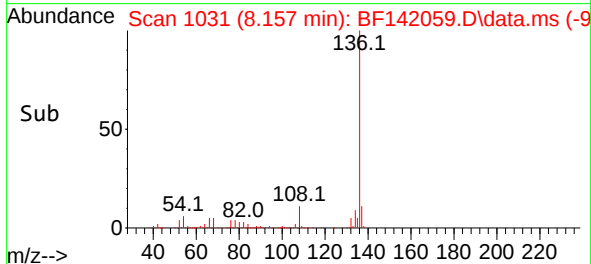
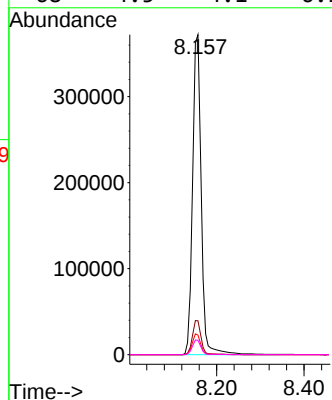
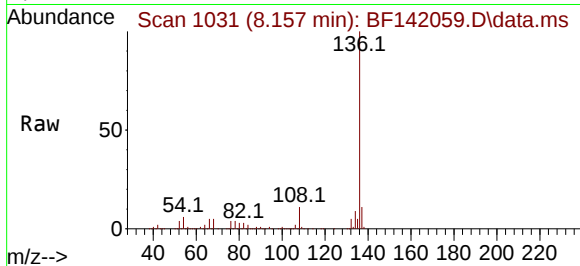


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 512582

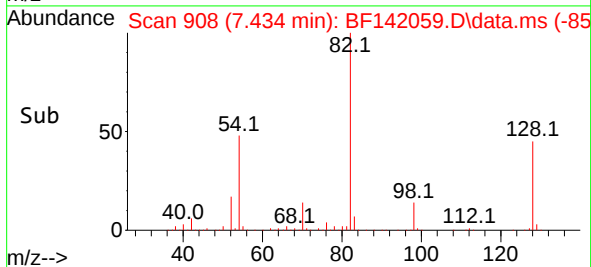
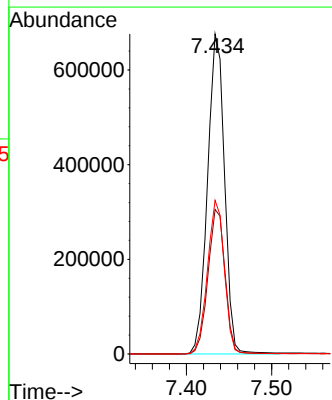
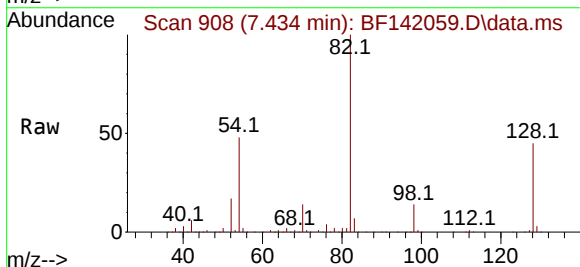
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.1	5.8	8.8
68	4.5	4.1	6.1

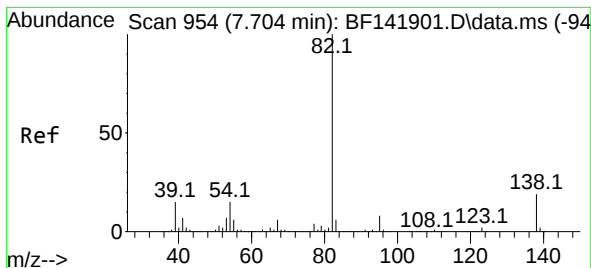


#23
Nitrobenzene-d5
Concen: 102.880 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

Tgt Ion: 82 Resp: 937066

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.0	54.0
54	48.0	39.6	59.4





#25

Isophorone

Concen: 56.982 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.271 min

Lab File: BF142059.D

Acq: 24 Mar 2025 17:24

Instrument :

BNA_F

ClientSampleId :

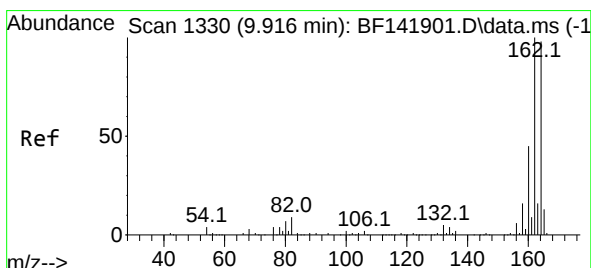
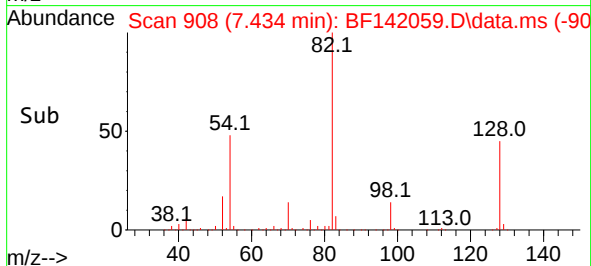
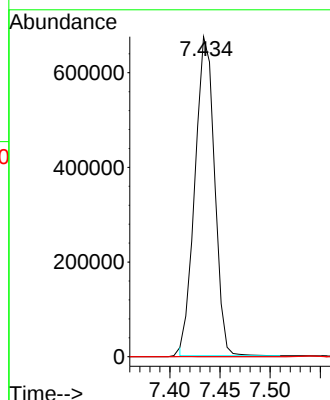
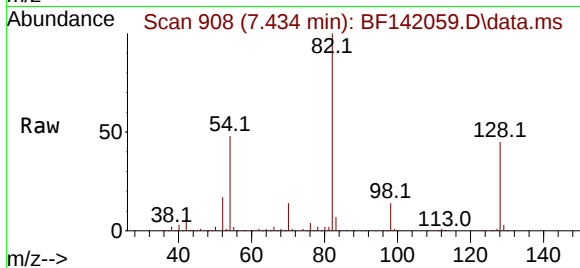
Tgt Ion: 82 Resp: 917436

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: BF142059.D

Acq: 24 Mar 2025 17:24

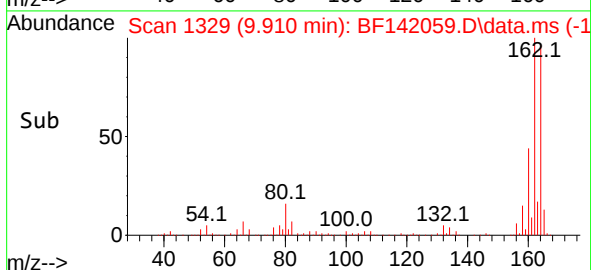
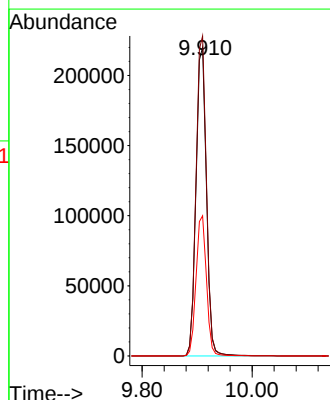
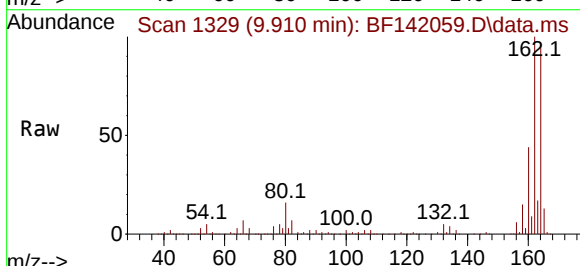
Tgt Ion:164 Resp: 288899

Ion Ratio Lower Upper

164 100

162 103.7 81.8 122.6

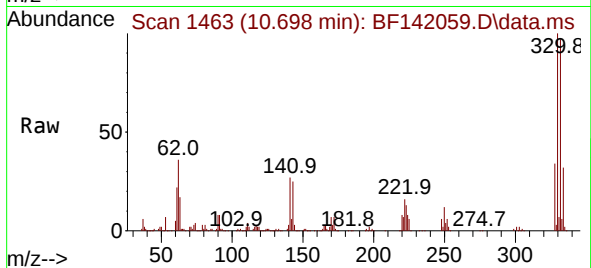
160 45.4 36.7 55.1



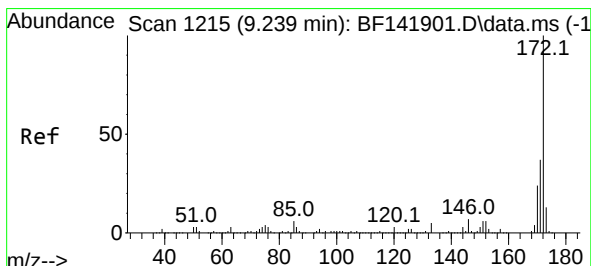
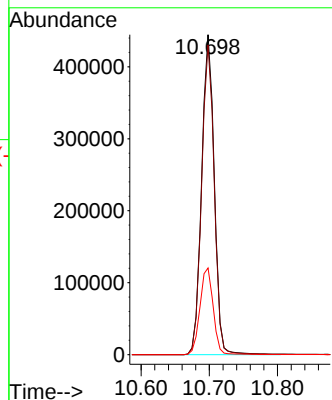
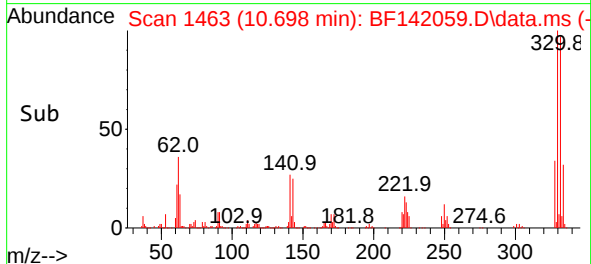


#42
2,4,6-Tribromophenol
Concen: 156.916 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

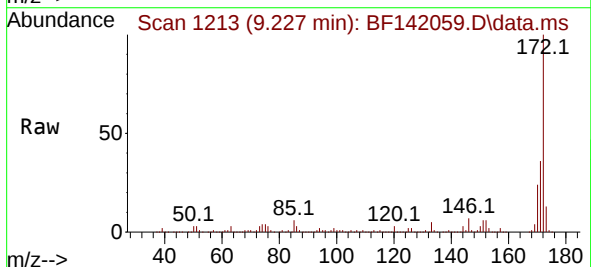
Instrument :
BNA_F
ClientSampleId :



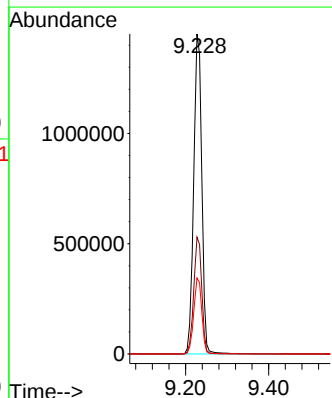
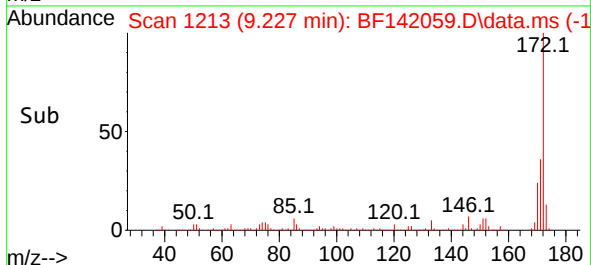
Tgt Ion:330 Resp: 575107
Ion Ratio Lower Upper
330 100
332 96.6 77.6 116.4
141 28.4 24.7 37.1

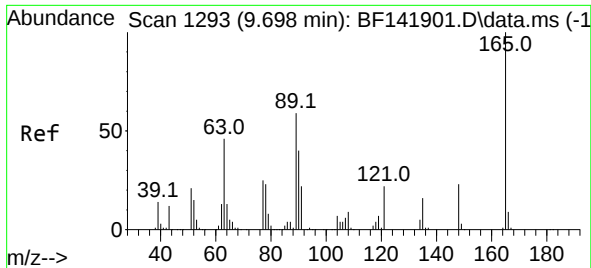


#45
2-Fluorobiphenyl
Concen: 103.252 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24



Tgt Ion:172 Resp: 1961416
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 23.7 19.4 29.0

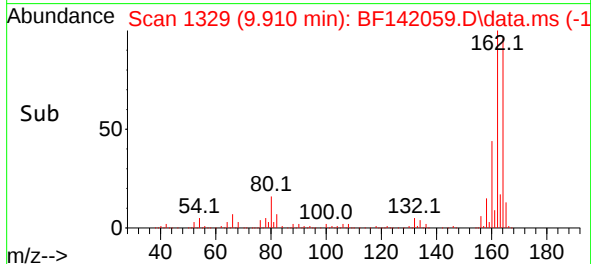
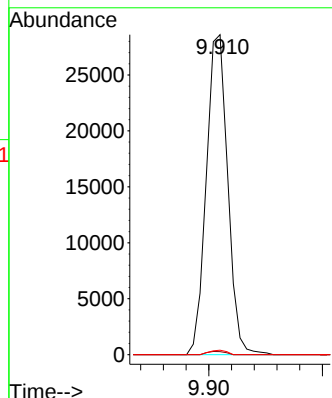
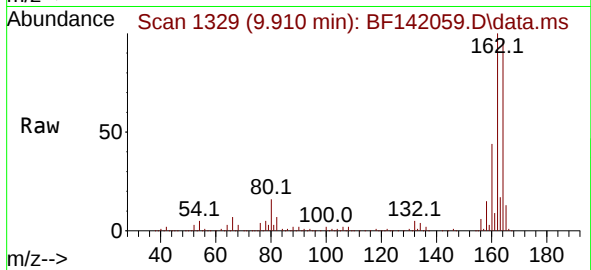




#51
2,6-Dinitrotoluene
Concen: 8.892 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

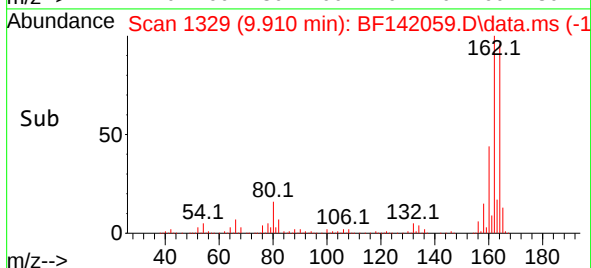
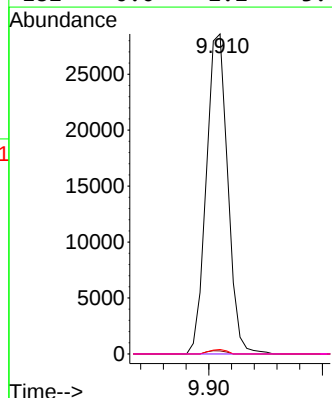
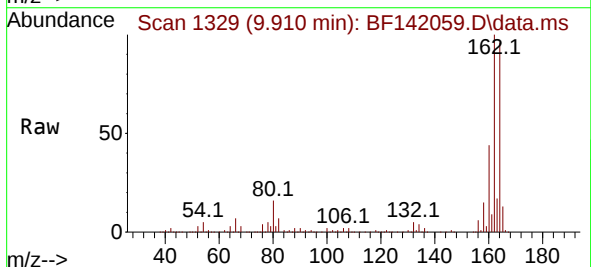
Instrument :
BNA_F
ClientSampleId :

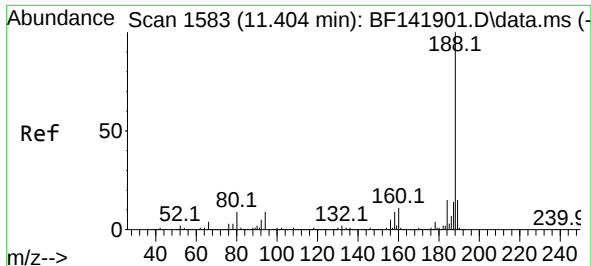
Tgt Ion:165 Resp: 37455
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.808 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

Tgt Ion:165 Resp: 37455
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#

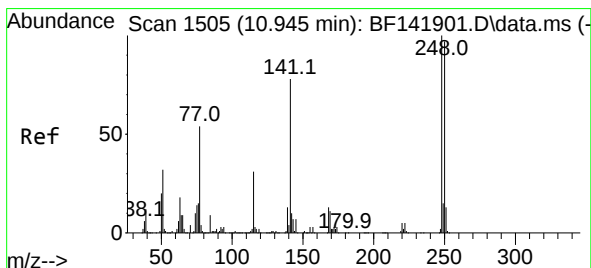
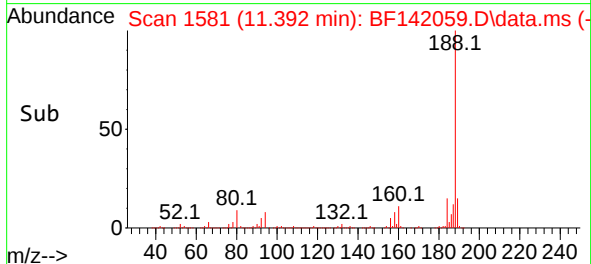
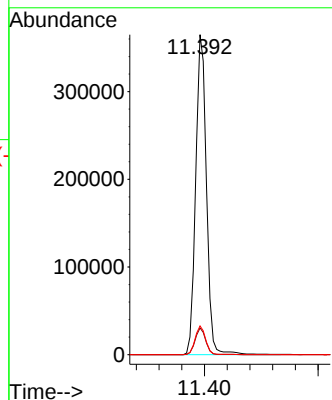
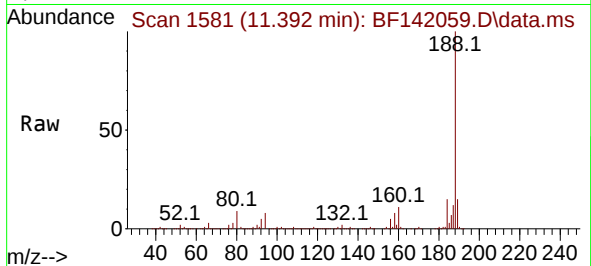




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

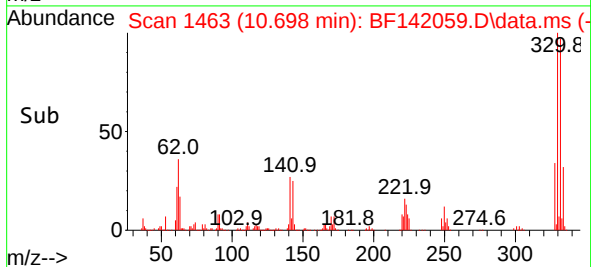
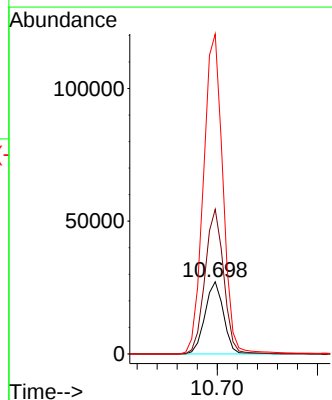
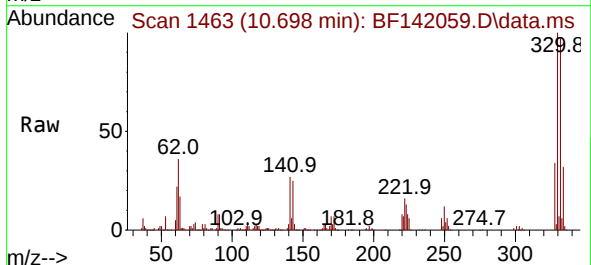
Instrument :
BNA_F
ClientSampleId :

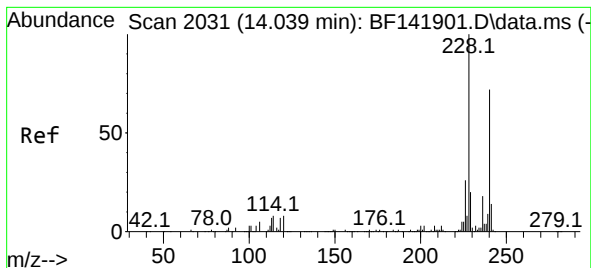
Tgt Ion:188 Resp: 481499
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.0 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.813 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142059.D
Acq: 24 Mar 2025 17:24

Tgt Ion:248 Resp: 35154
Ion Ratio Lower Upper
248 100
250 200.4 77.8 116.8#
141 443.5 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

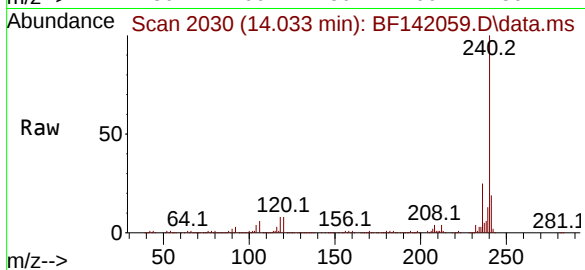
Lab File: BF142059.D

Acq: 24 Mar 2025 17:24

Instrument :

BNA_F

ClientSampleId :



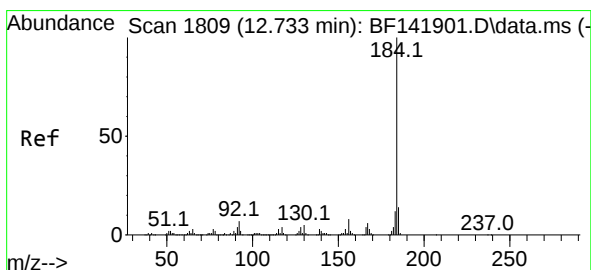
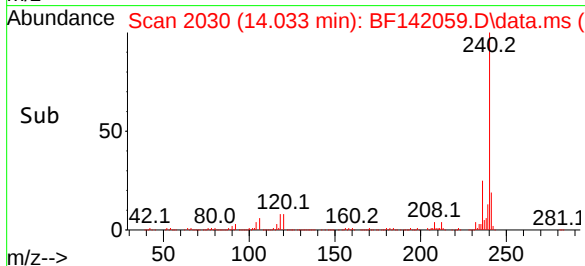
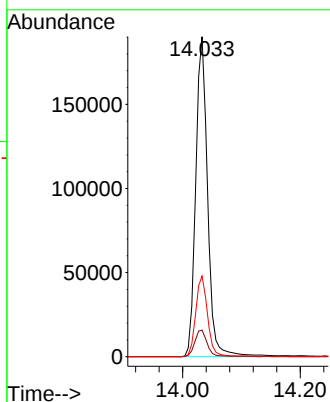
Tgt Ion:240 Resp: 267158

Ion Ratio Lower Upper

240 100

120 8.3 8.4 12.6#

236 25.2 20.5 30.7



#77

Benidine

Concen: 7.419 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142059.D

Acq: 24 Mar 2025 17:24

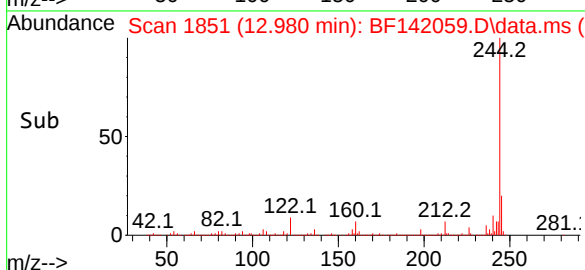
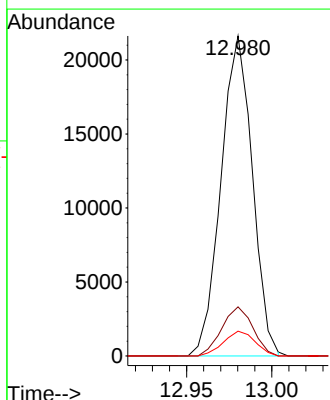
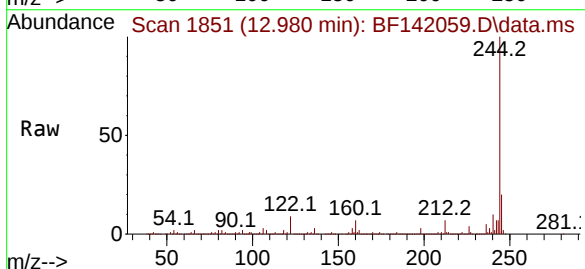
Tgt Ion:184 Resp: 27655

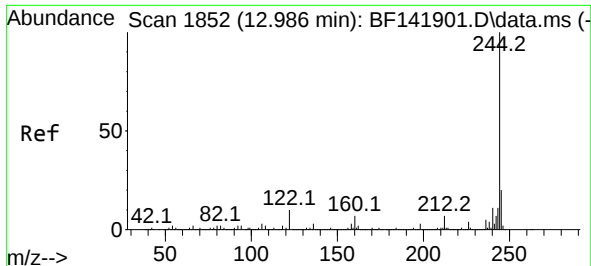
Ion Ratio Lower Upper

184 100

185 15.4 11.5 17.3

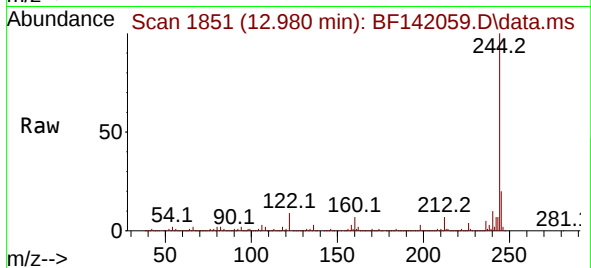
183 7.7 9.7 14.5#



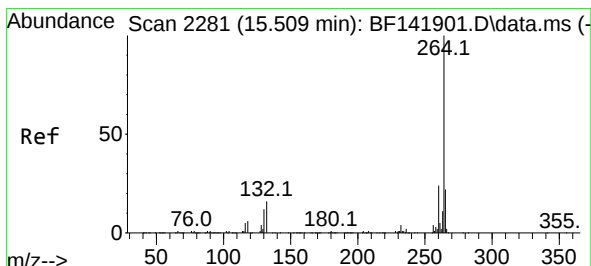
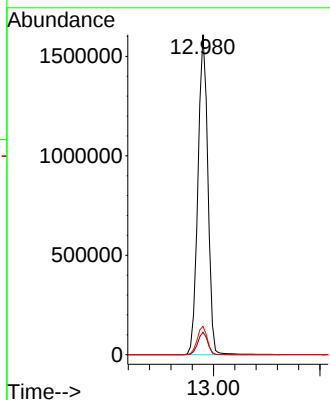
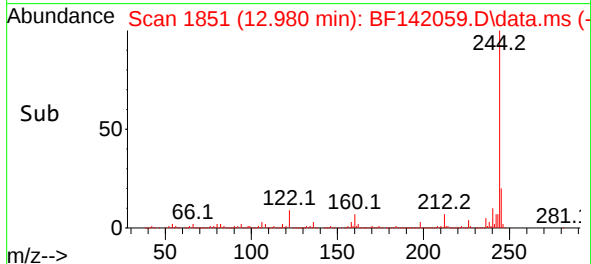


#79
 Terphenyl-d14
 Concen: 114.773 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142059.D
 Acq: 24 Mar 2025 17:24

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 2073967
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.9 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF142059.D
 Acq: 24 Mar 2025 17:24

Tgt Ion:264 Resp: 257405
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.1 28.7
 265 21.2 17.5 26.3

