

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143015.D
 Acq On : 07 Jul 2025 18:21
 Operator : RC/JU
 Sample : Q2514-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-93

Quant Time: Jul 07 18:51:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

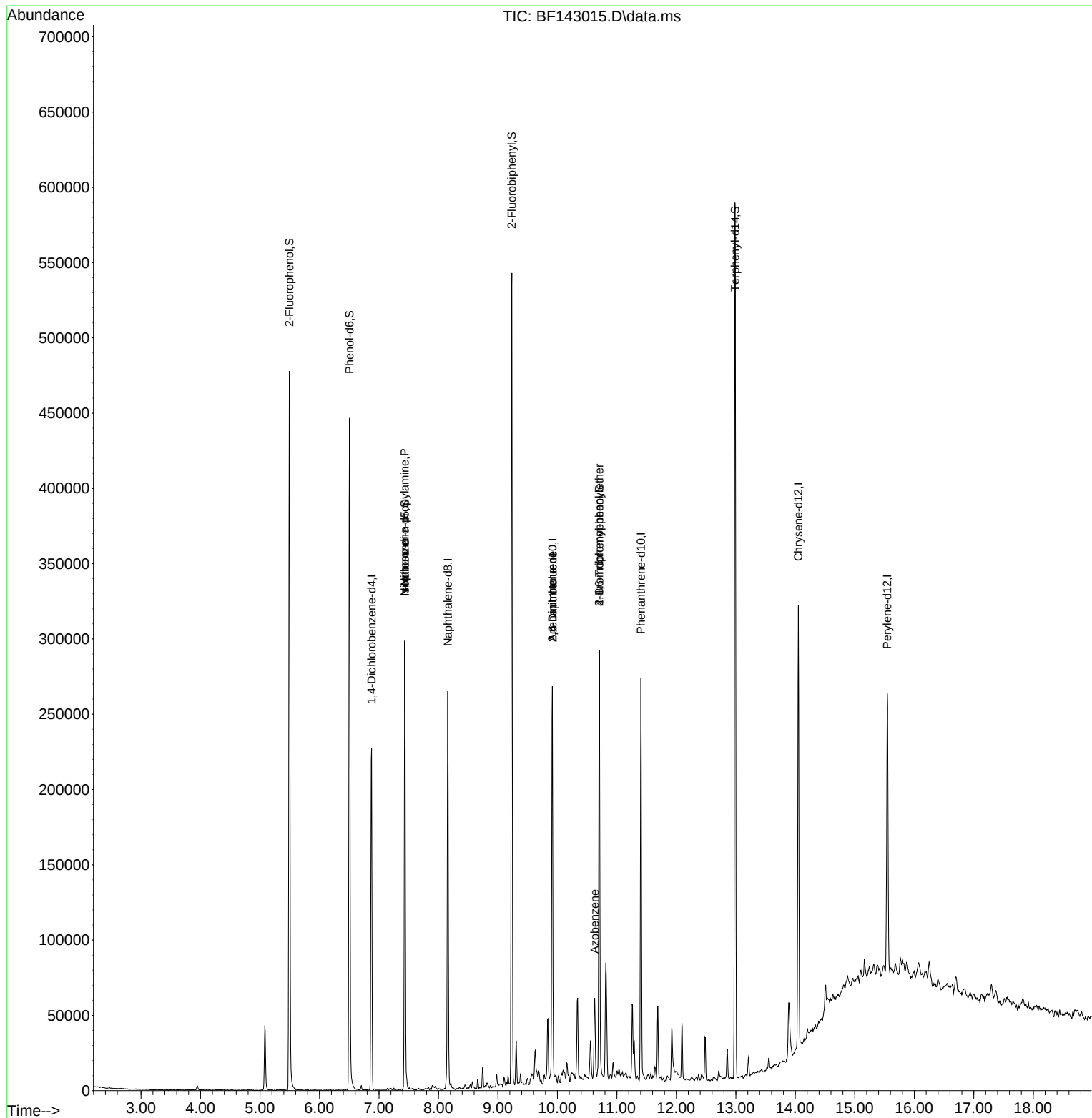
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	51019	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	169189	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	78799	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	137500	20.000	ng	0.00
76) Chrysene-d12	14.051	240	140379	20.000	ng	0.00
86) Perylene-d12	15.545	264	106598	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	189836	61.950	ng	0.00
7) Phenol-d6	6.504	99	208525	57.678	ng	0.00
23) Nitrobenzene-d5	7.434	82	126550	41.027	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	48945	60.359	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	248334	41.400	ng	-0.01
79) Terphenyl-d14	12.986	244	284170	27.970	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	16727	7.955	ng	# 76
25) Isophorone	7.434	82	126549	25.575	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	10502	9.375	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	10502	7.058	ng	# 26
63) Azobenzene	10.628	77	13627	3.049	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	3145	2.010	ng	# 1

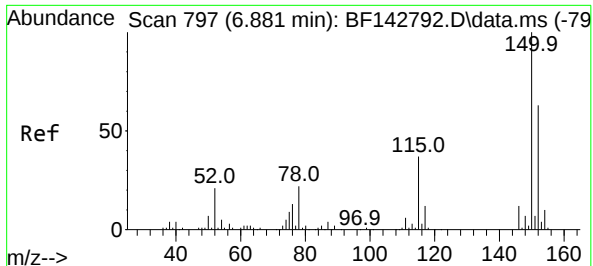
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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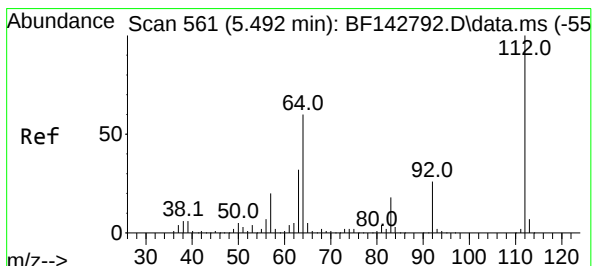
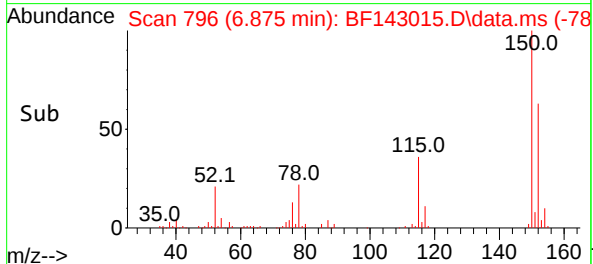
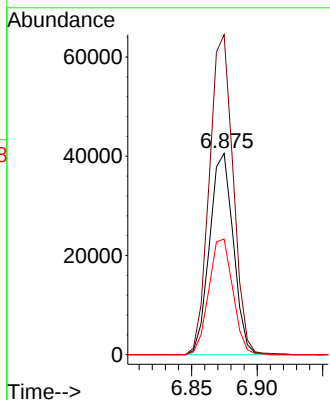
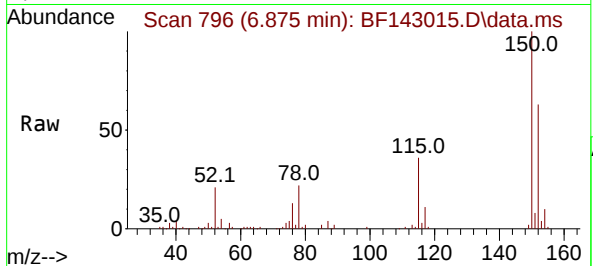




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

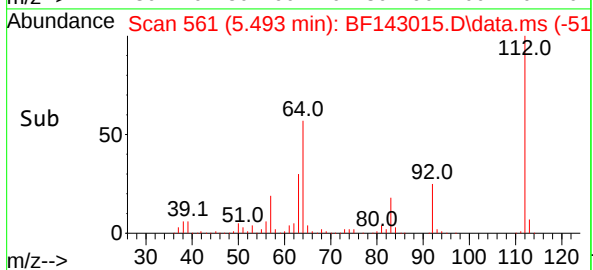
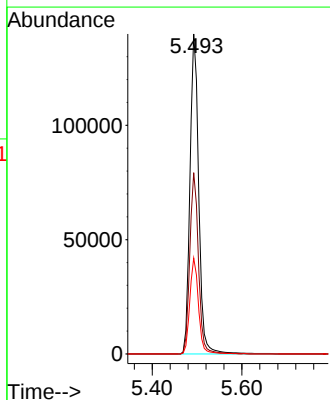
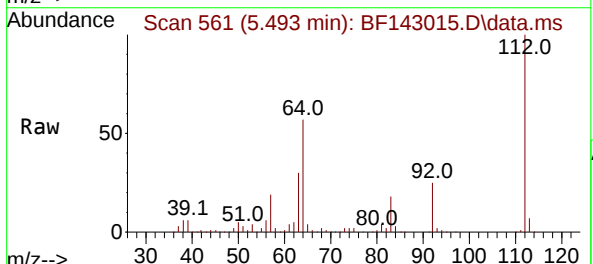
Instrument :
BNA_F
ClientSampleId :
TP-93

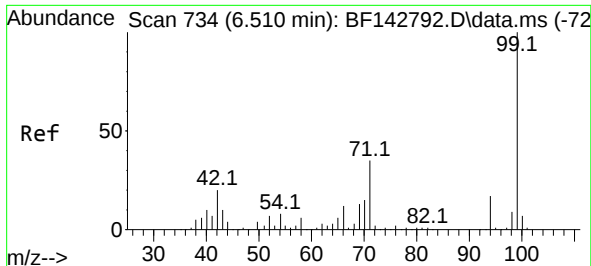
Tgt Ion:152 Resp: 51019
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 57.5 46.6 69.8



#5
2-Fluorophenol
Concen: 61.950 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Tgt Ion:112 Resp: 189836
Ion Ratio Lower Upper
112 100
64 56.6 48.2 72.2
63 30.0 25.7 38.5

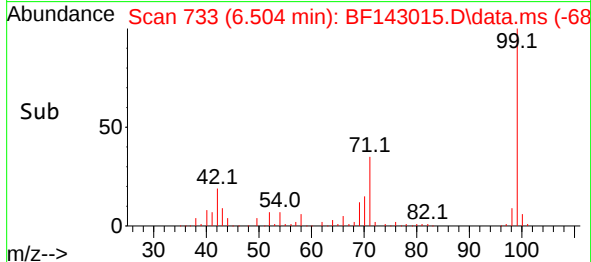
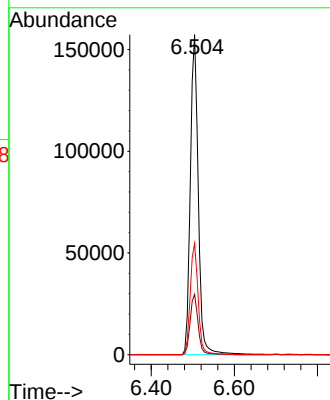
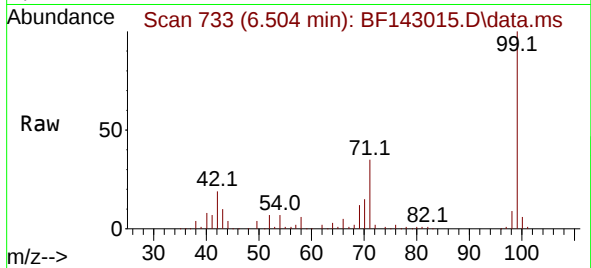




#7
Phenol-d6
Concen: 57.678 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

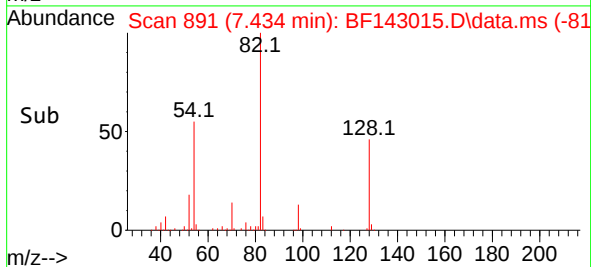
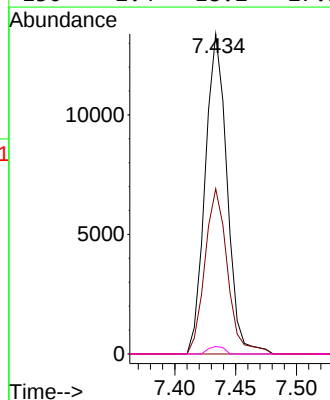
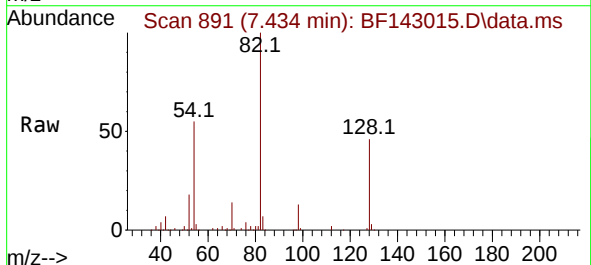
Instrument :
BNA_F
ClientSampleId :
TP-93

Tgt Ion: 99 Resp: 208525
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 34.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.955 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Tgt Ion: 70 Resp: 16727
Ion Ratio Lower Upper
70 100
42 51.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#



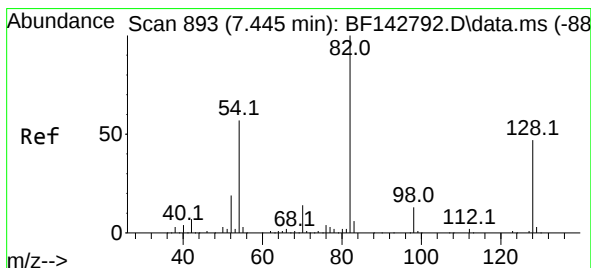
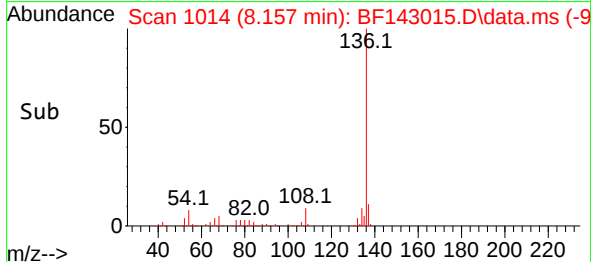
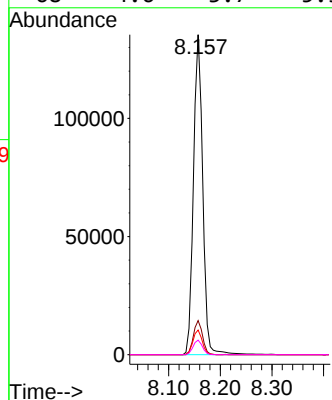
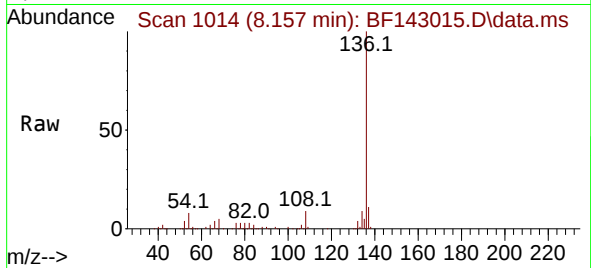


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Instrument :
BNA_F
ClientSampleId :
TP-93

Tgt Ion:136 Resp: 169189

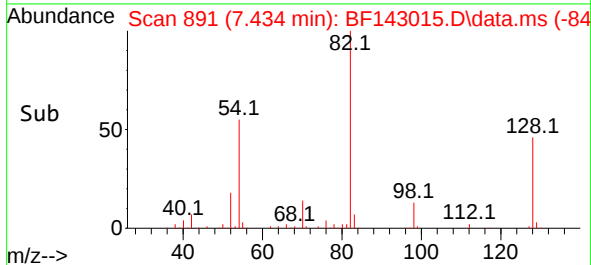
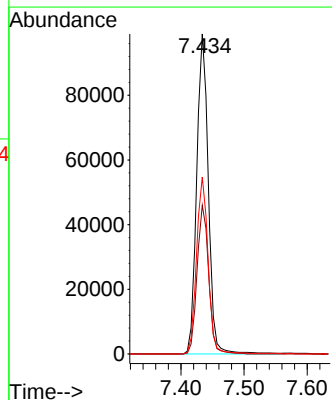
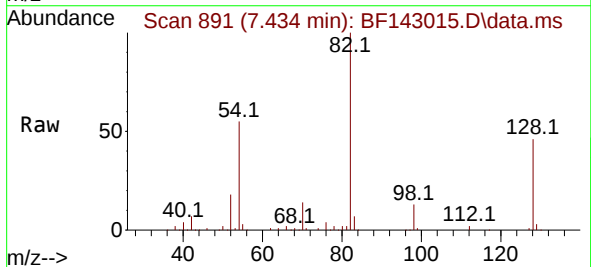
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.7	6.3	9.5
68	4.6	3.7	5.5



#23
Nitrobenzene-d5
Concen: 41.027 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Tgt Ion: 82 Resp: 126550

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.7	56.5
54	55.3	45.7	68.5

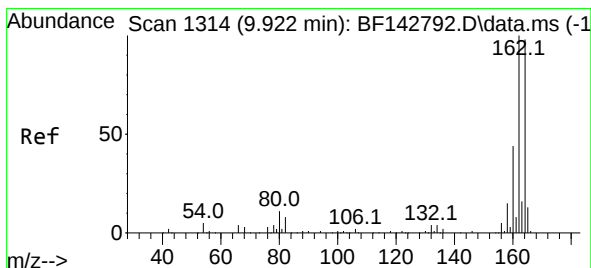
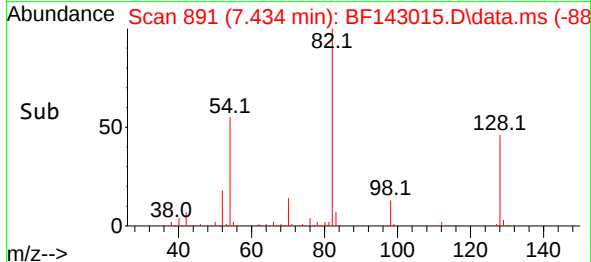
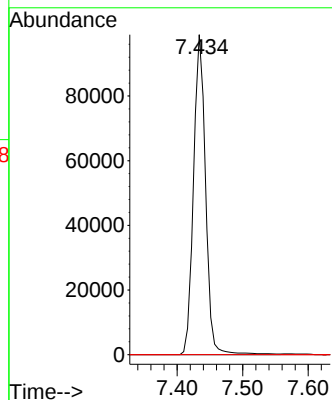
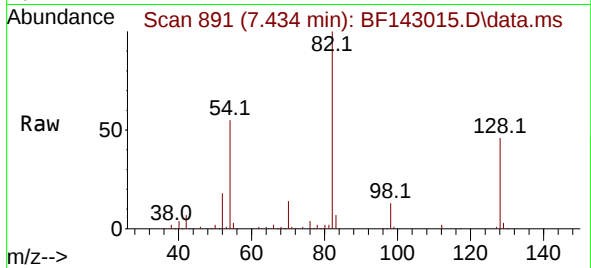




#25
Isophorone
Concen: 25.575 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

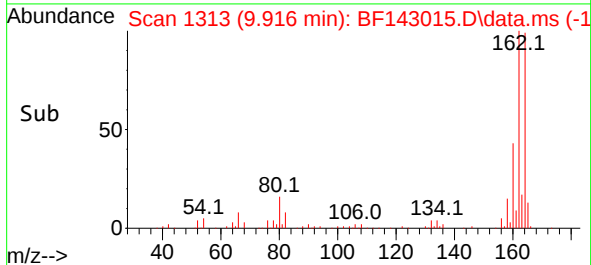
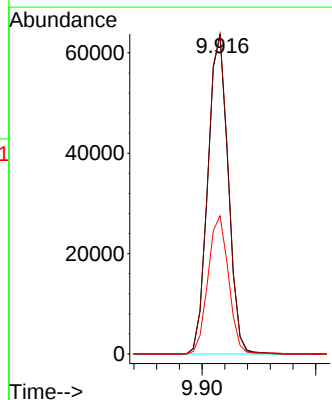
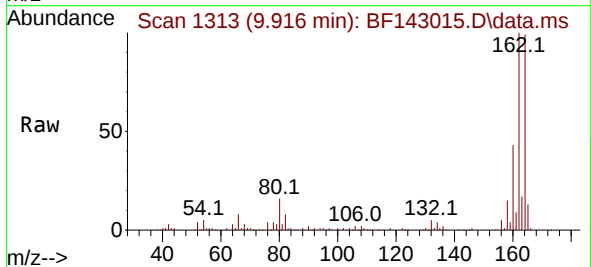
Instrument :
BNA_F
ClientSampleId :
TP-93

Tgt Ion: 82 Resp: 126549
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Tgt Ion:164 Resp: 78799
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 43.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 60.359 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

Instrument :

BNA_F

ClientSampleId :

TP-93

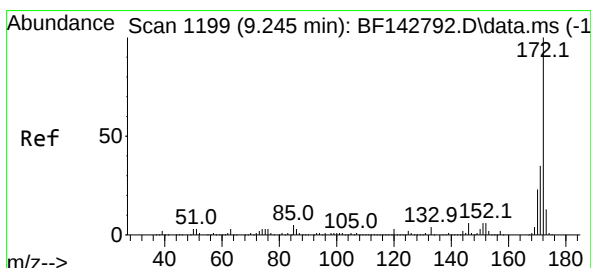
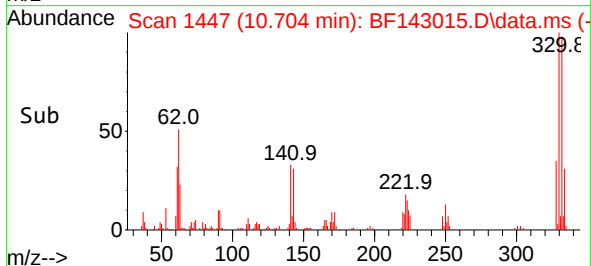
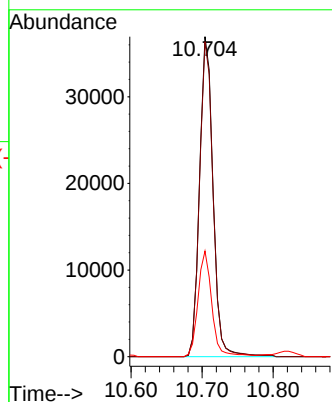
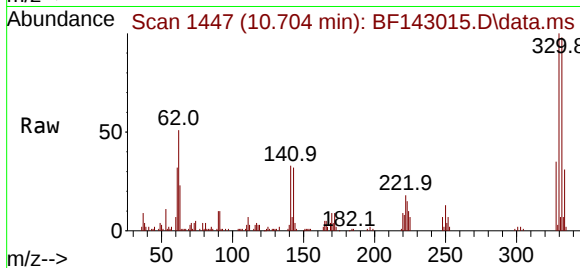
Tgt Ion:330 Resp: 48945

Ion Ratio Lower Upper

330 100

332 98.5 75.0 112.6

141 33.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 41.400 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

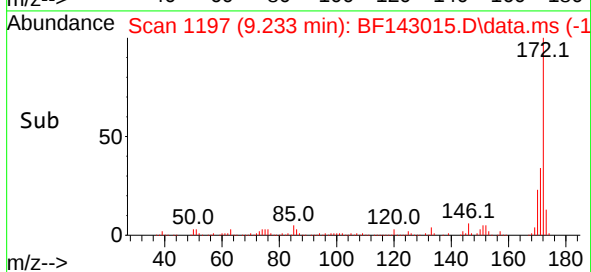
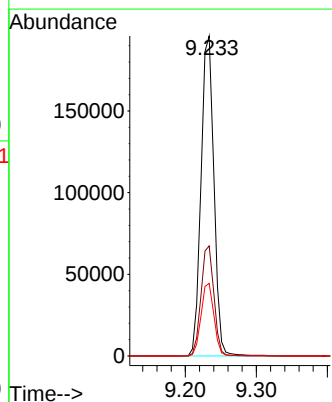
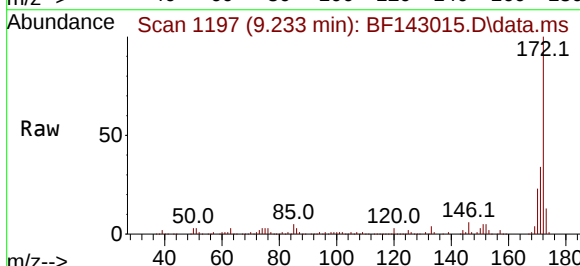
Tgt Ion:172 Resp: 248334

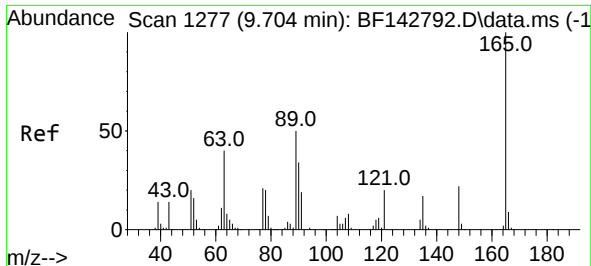
Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.4

170 22.7 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 9.375 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

Instrument :

BNA_F

ClientSampleId :

TP-93

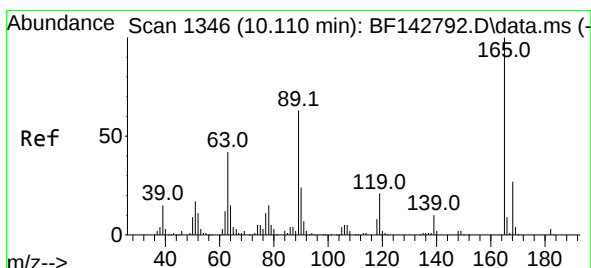
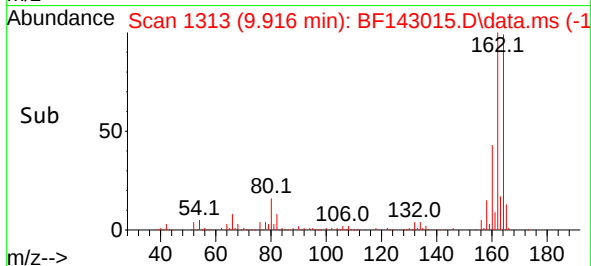
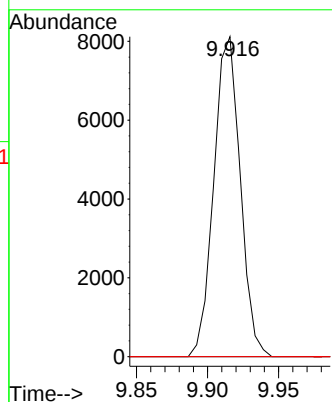
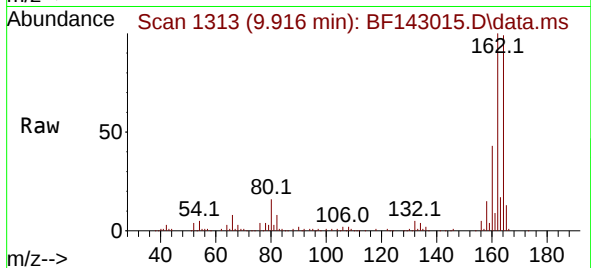
Tgt Ion:165 Resp: 10502

Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 7.058 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

Tgt Ion:165 Resp: 10502

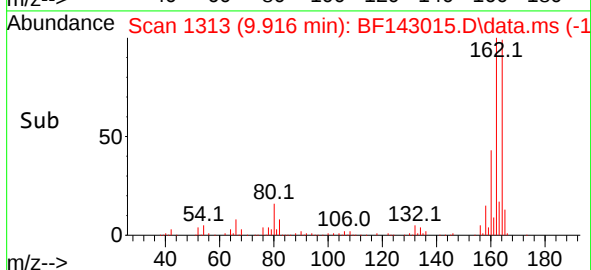
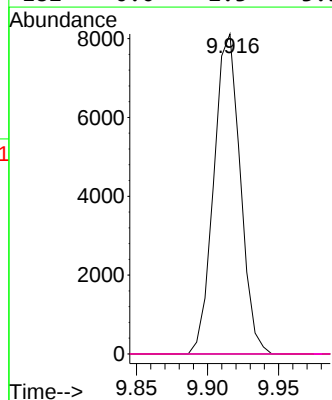
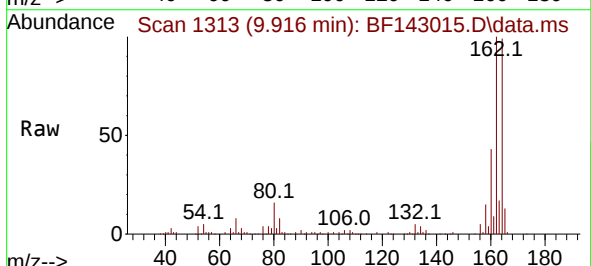
Ion Ratio Lower Upper

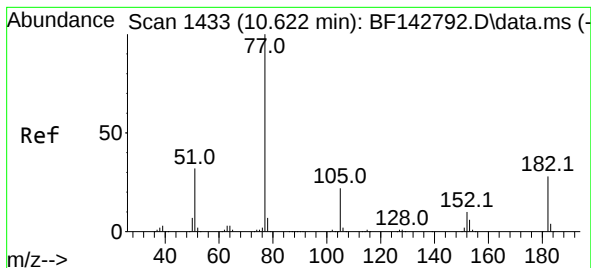
165 100

63 0.0 33.9 50.9#

89 0.0 50.6 75.8#

182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 3.049 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

Instrument :

BNA_F

ClientSampleId :

TP-93

Tgt Ion: 77 Resp: 13627

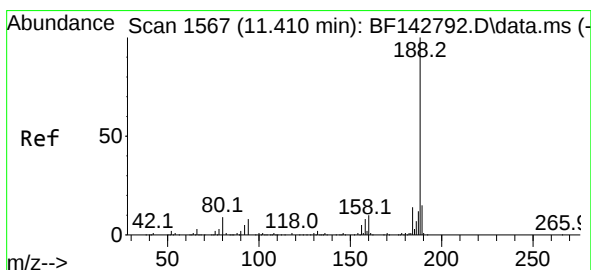
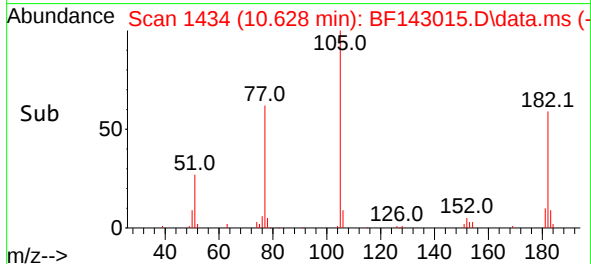
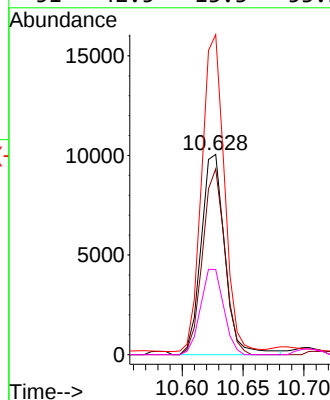
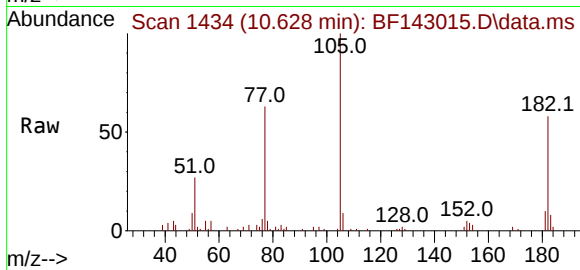
Ion Ratio Lower Upper

77 100

182 92.8 7.7 47.7#

105 159.8 1.9 41.9#

51 42.5 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

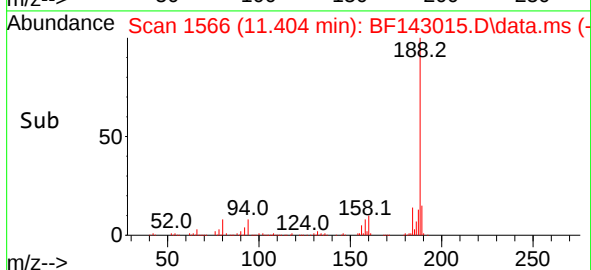
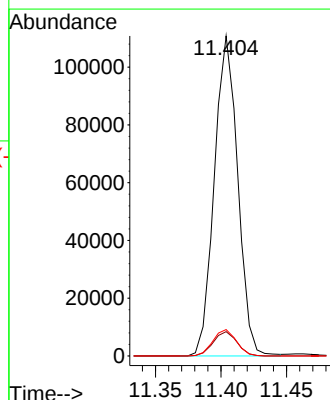
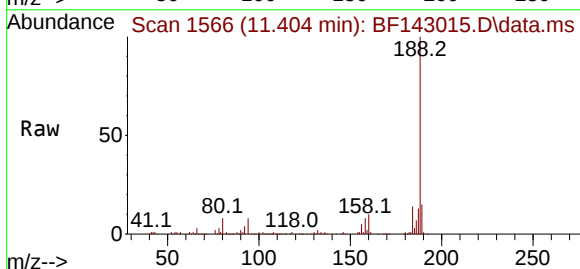
Tgt Ion:188 Resp: 137500

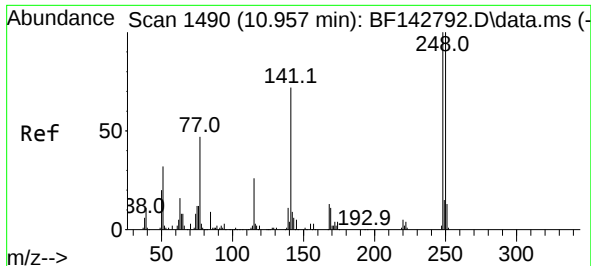
Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

80 8.3 6.9 10.3

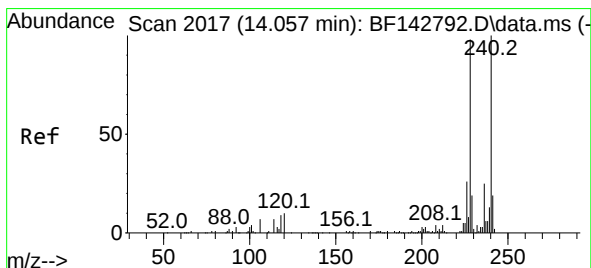
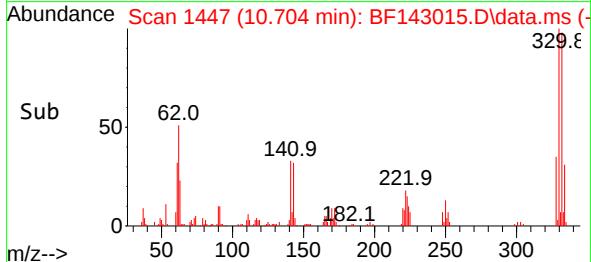
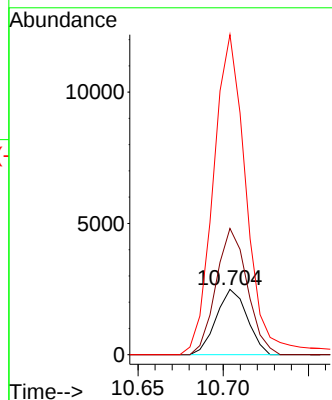
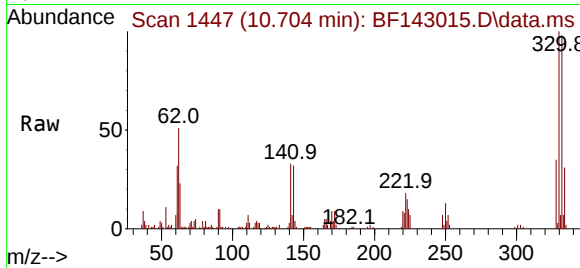




#67
4-Bromophenyl-phenylether
Concen: 2.010 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

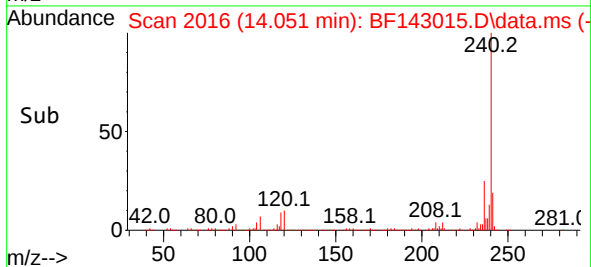
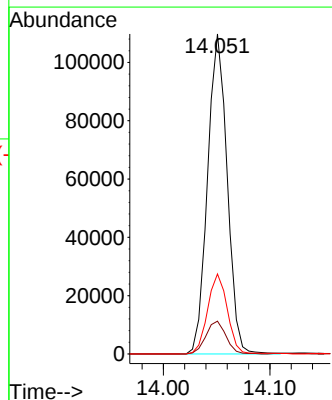
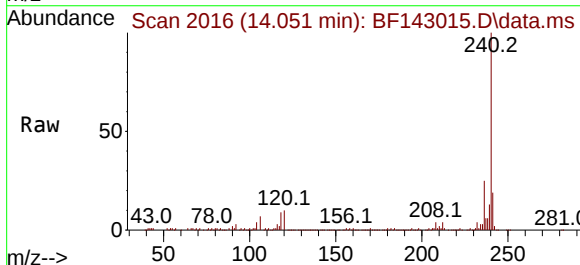
Instrument :
BNA_F
ClientSampleId :
TP-93

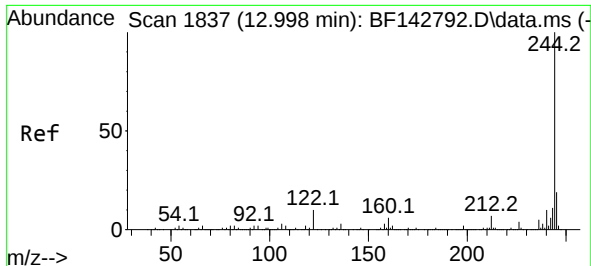
Tgt Ion:248 Resp: 3145
Ion Ratio Lower Upper
248 100
250 193.6 79.8 119.8#
141 490.5 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Tgt Ion:240 Resp: 140379
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.0 19.8 29.8

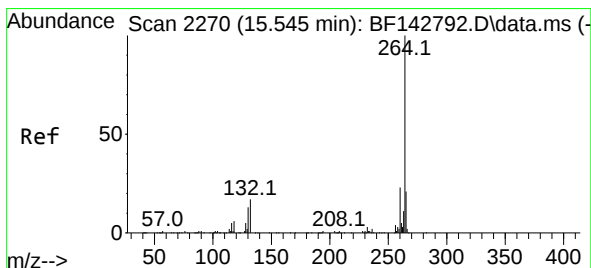
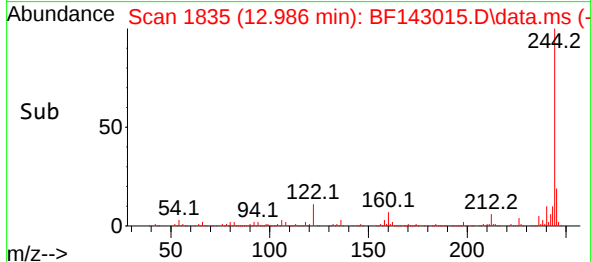
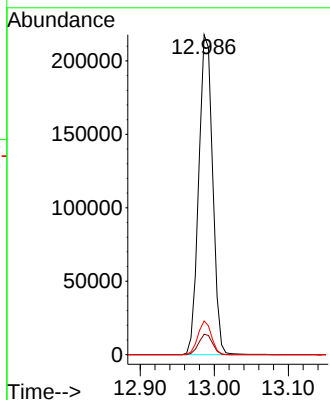
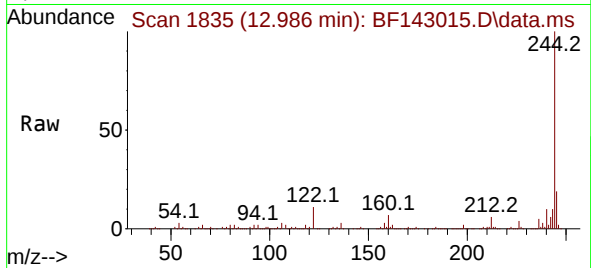




#79
 Terphenyl-d14
 Concen: 27.970 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF143015.D
 Acq: 07 Jul 2025 18:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-93

Tgt Ion:244 Resp: 284170
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF143015.D
 Acq: 07 Jul 2025 18:21

Tgt Ion:264 Resp: 106598
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.1 27.1
 265 22.1 16.6 25.0

