

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143755.D
 Acq On : 15 Sep 2025 16:59
 Operator : RC/JU
 Sample : Q3054-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-384

Quant Time: Sep 15 17:57:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

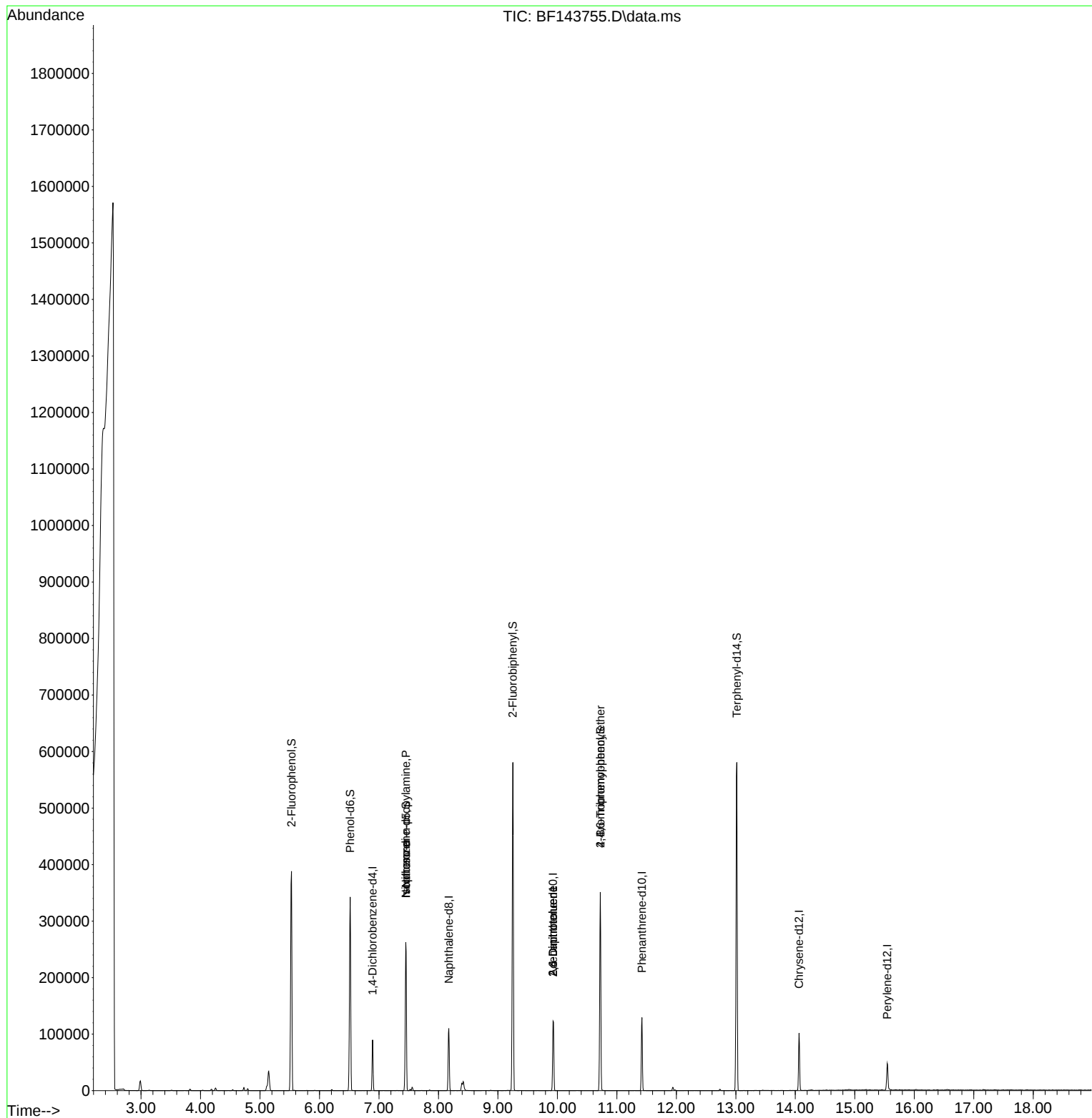
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	20378	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	74301	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	41920	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	68629	20.000	ng	0.01
76) Chrysene-d12	14.063	240	51622	20.000	ng	0.02
86) Perylene-d12	15.545	264	29776	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	166588	139.475	ng	0.03
7) Phenol-d6	6.516	99	189869	130.558	ng	0.01
23) Nitrobenzene-d5	7.451	82	127721	106.921	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	70141	166.030	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	286739	103.328	ng	0.00
79) Terphenyl-d14	13.016	244	315931	99.177	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	16605	18.591	ng	# 78
25) Isophorone	7.451	82	127482	55.655	ng	# 64
51) 2,6-Dinitrotoluene	9.927	165	5661	10.856	ng	# 27
57) 2,4-Dinitrotoluene	9.927	165	5661	7.976	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	4428	5.350	ng	# 1

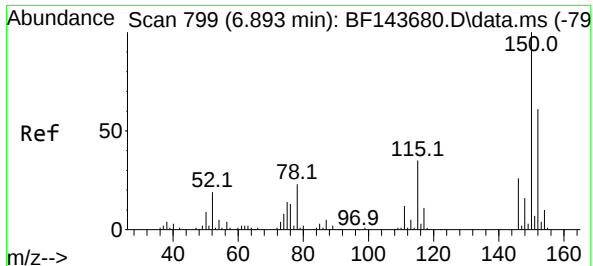
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
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QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration

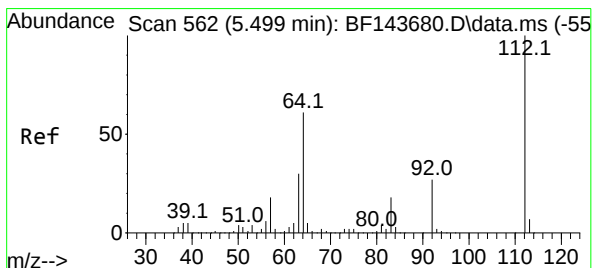
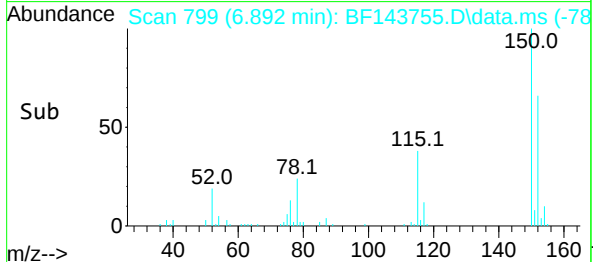
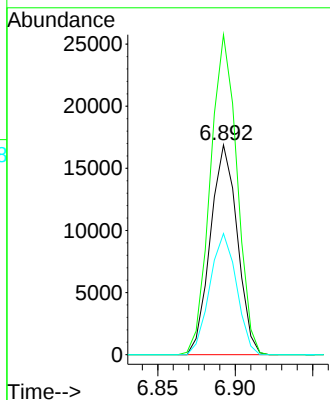
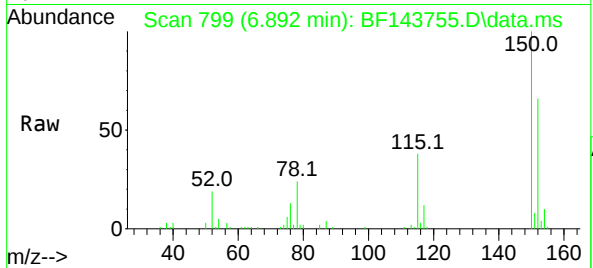




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

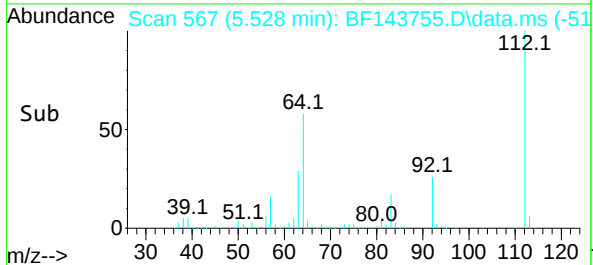
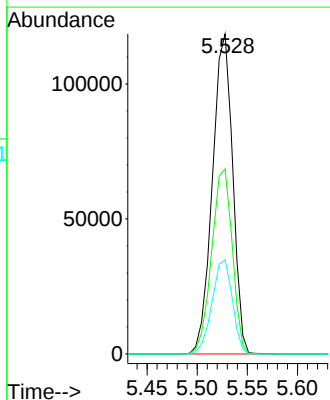
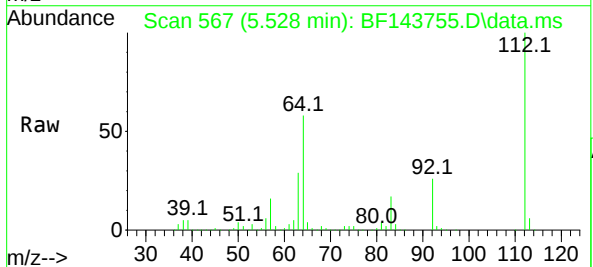
Instrument :
BNA_F
ClientSampleId :
MH-384

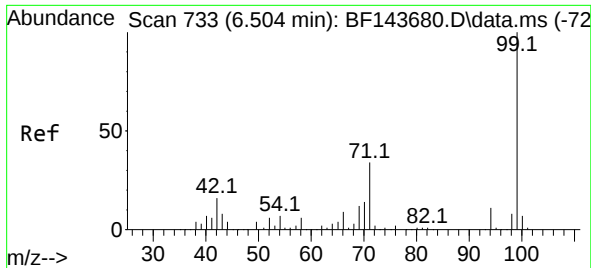
Tgt Ion:152 Resp: 20378
Ion Ratio Lower Upper
152 100
150 152.5 130.7 196.1
115 57.7 45.9 68.9



#5
2-Fluorophenol
Concen: 139.475 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.029 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

Tgt Ion:112 Resp: 166588
Ion Ratio Lower Upper
112 100
64 57.8 49.0 73.4
63 29.5 24.3 36.5

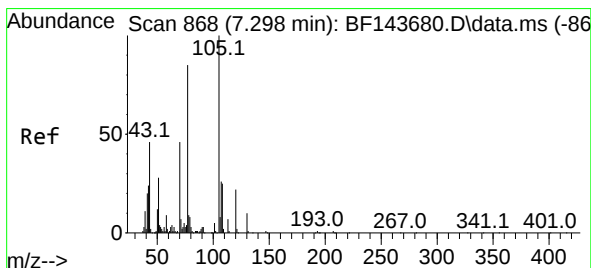
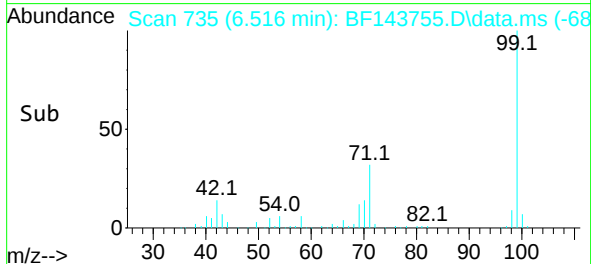
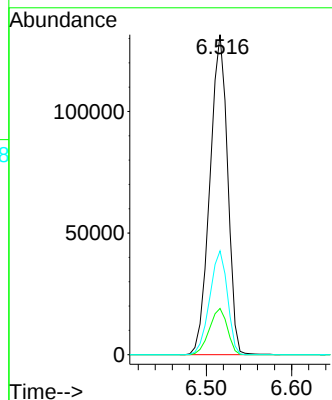
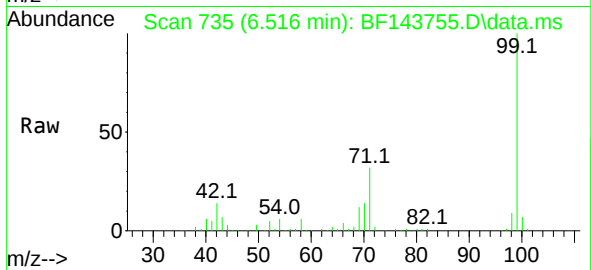




#7
Phenol-d6
Concen: 130.558 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

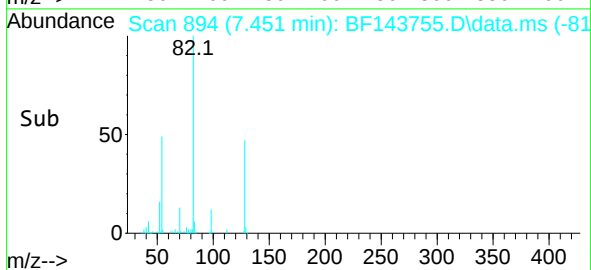
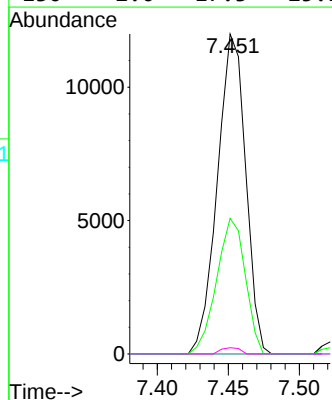
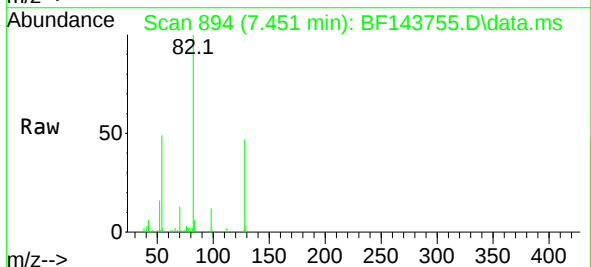
Instrument :
BNA_F
ClientSampleId :
MH-384

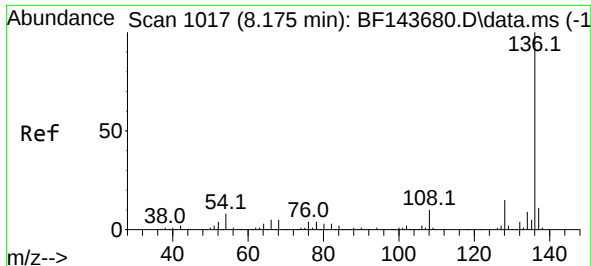
Tgt Ion: 99 Resp: 189869
Ion Ratio Lower Upper
99 100
42 14.5 13.0 19.4
71 32.5 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.591 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

Tgt Ion: 70 Resp: 16605
Ion Ratio Lower Upper
70 100
42 42.4 41.4 62.2
101 0.0 8.1 12.1#
130 2.0 17.3 25.9#

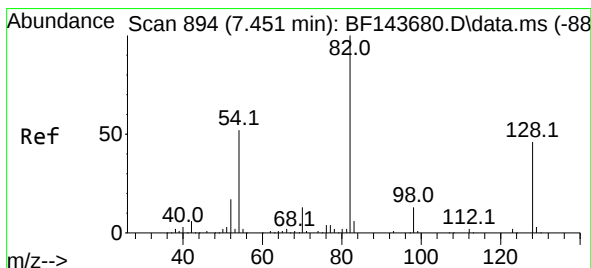
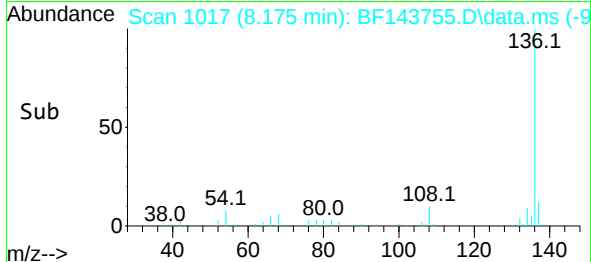
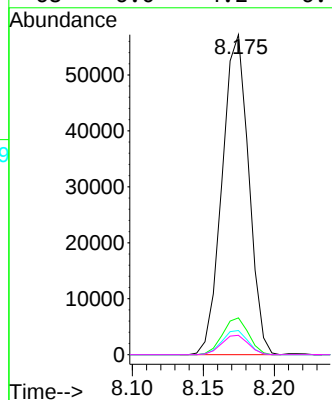
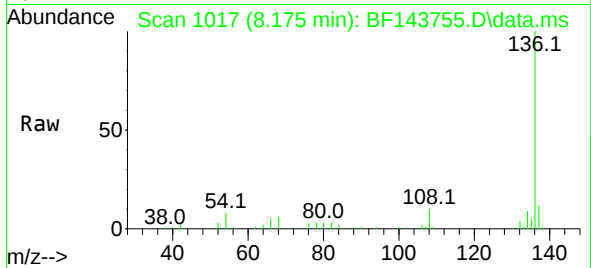




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

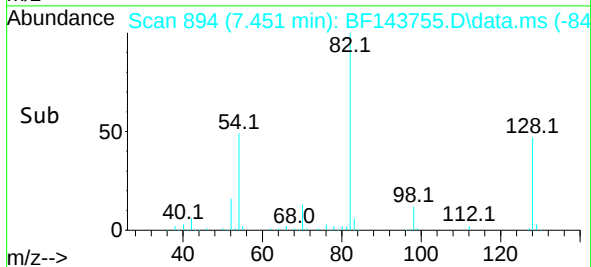
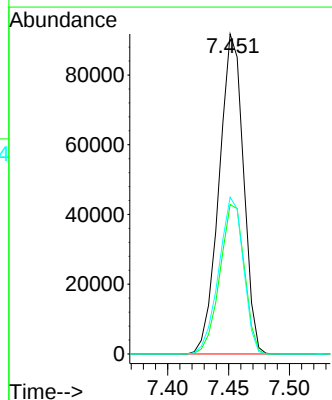
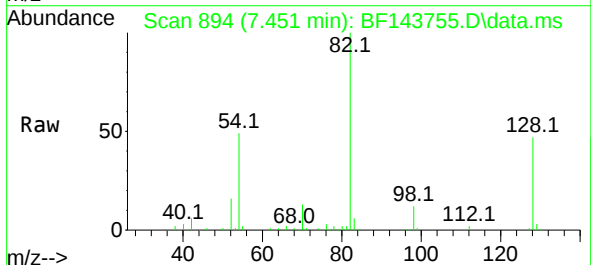
Instrument :
BNA_F
ClientSampleId :
MH-384

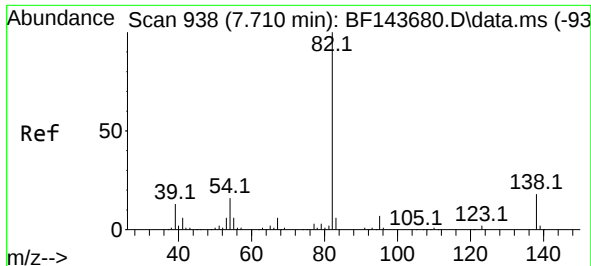
Tgt Ion:136	Resp:	74301
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.7 13.1
54	7.6	6.2 9.2
68	6.0	4.2 6.4



#23
Nitrobenzene-d5
Concen: 106.921 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

Tgt Ion: 82	Resp:	127721
Ion Ratio	Lower	Upper
82	100	
128	46.7	37.0 55.4
54	49.0	41.8 62.8

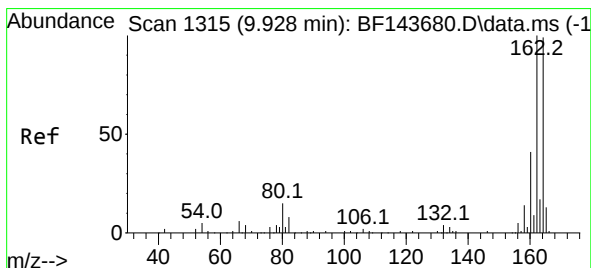
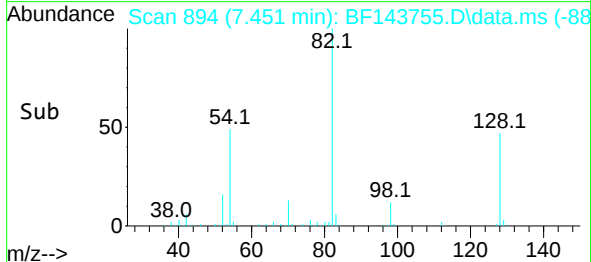
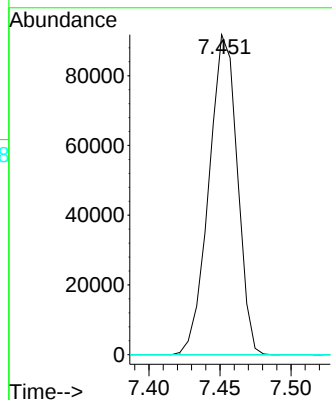
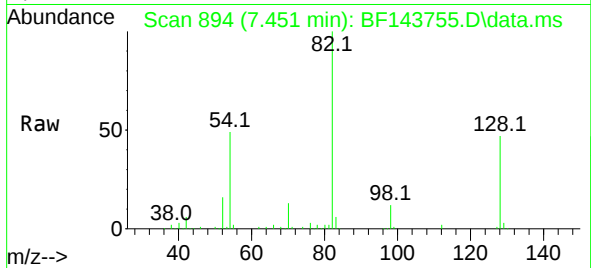




#25
Isophorone
Concen: 55.655 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

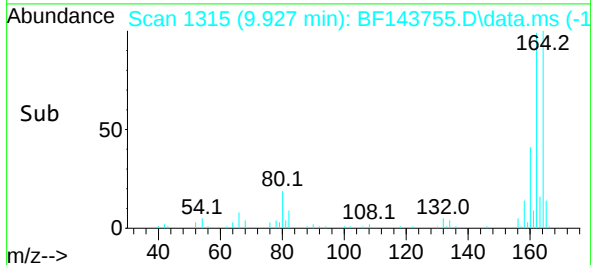
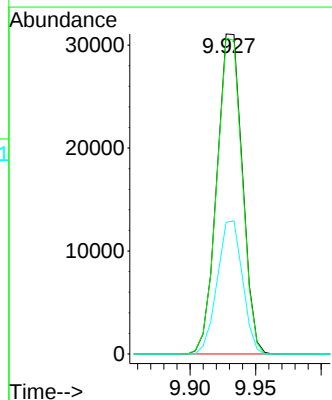
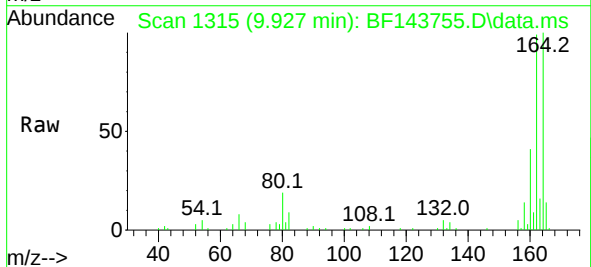
Instrument :
BNA_F
ClientSampleId :
MH-384

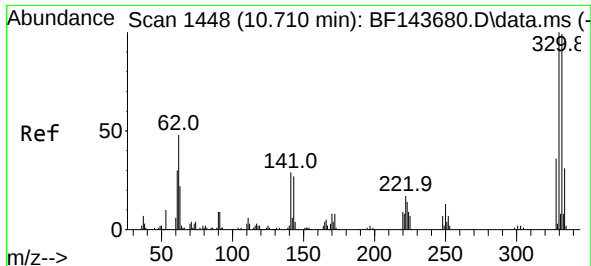
Tgt Ion: 82 Resp: 127482
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

Tgt Ion:164 Resp: 41920
Ion Ratio Lower Upper
164 100
162 98.8 80.6 121.0
160 41.1 33.0 49.4

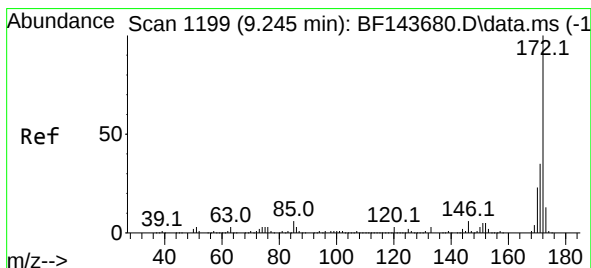
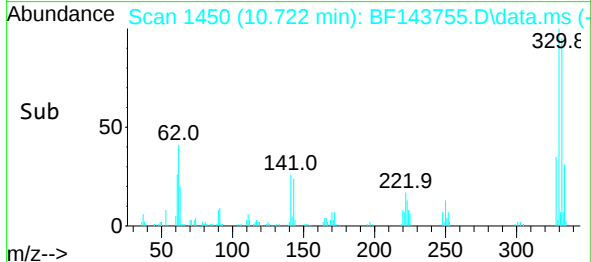
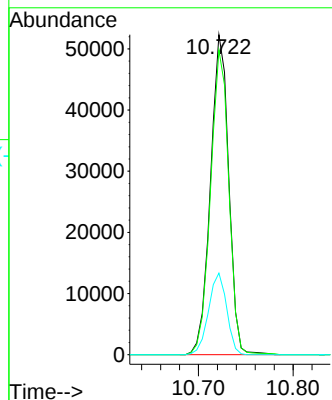
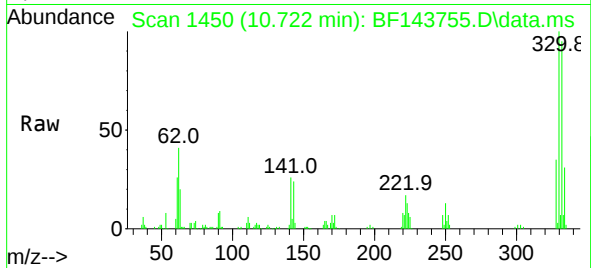




#42
2,4,6-Tribromophenol
Concen: 166.030 ng
RT: 10.722 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

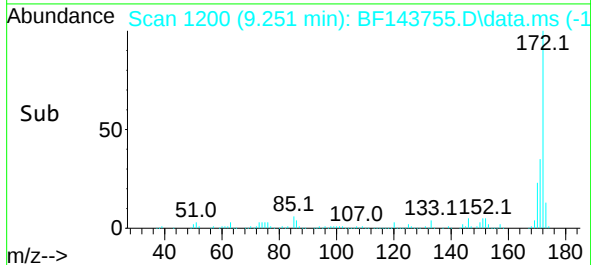
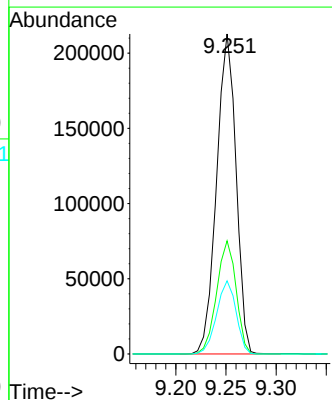
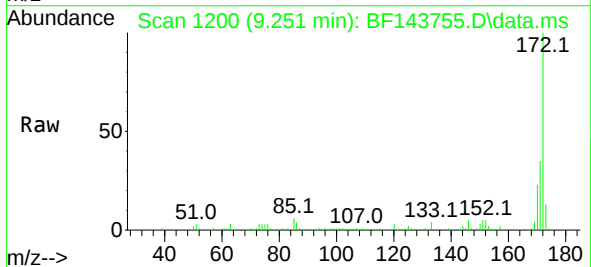
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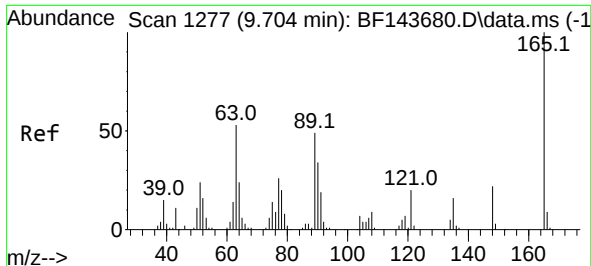
Tgt Ion: 330 Resp: 70141
Ion Ratio Lower Upper
330 100
332 95.3 79.2 118.8
141 25.3 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 103.328 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

Tgt Ion: 172 Resp: 286739
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 22.9 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 10.856 ng

RT: 9.927 min Scan# 1315

Delta R.T. 0.223 min

Lab File: BF143755.D

Acq: 15 Sep 2025 16:59

Instrument :

BNA_F

ClientSampleId :

MH-384

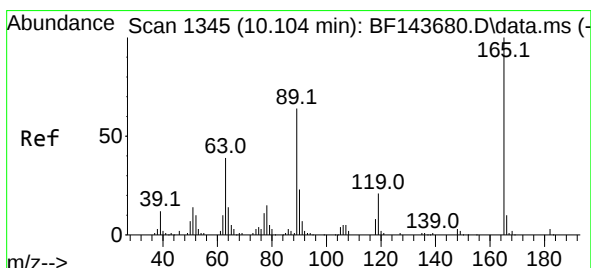
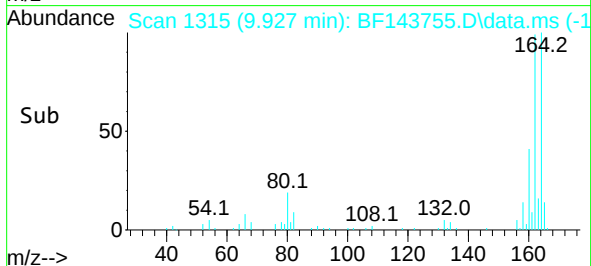
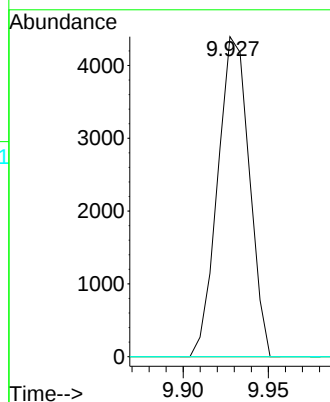
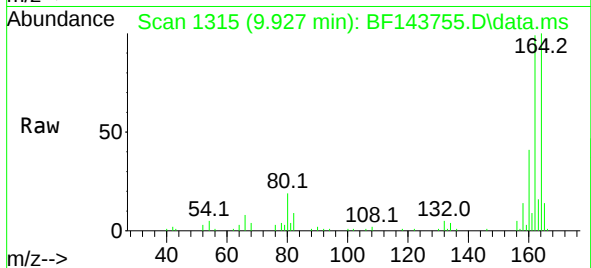
Tgt Ion:165 Resp: 5661

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#



#57

2,4-Dinitrotoluene

Concen: 7.976 ng

RT: 9.927 min Scan# 1315

Delta R.T. -0.177 min

Lab File: BF143755.D

Acq: 15 Sep 2025 16:59

Tgt Ion:165 Resp: 5661

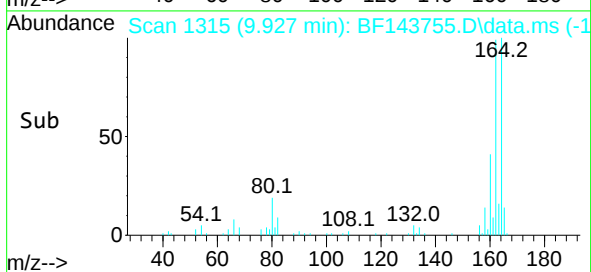
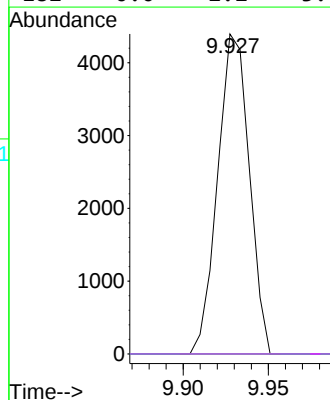
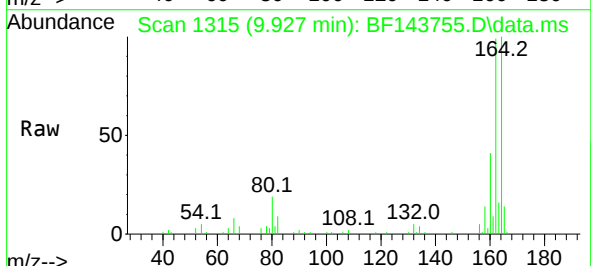
Ion Ratio Lower Upper

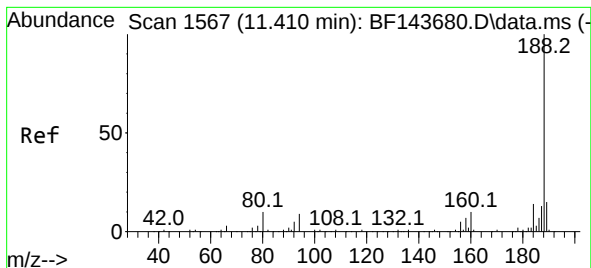
165 100

63 0.0 31.5 47.3#

89 0.0 51.3 76.9#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF143755.D

Acq: 15 Sep 2025 16:59

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MH-384

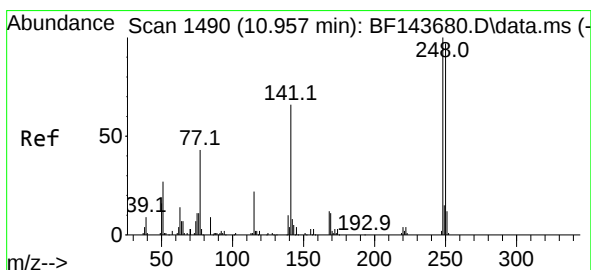
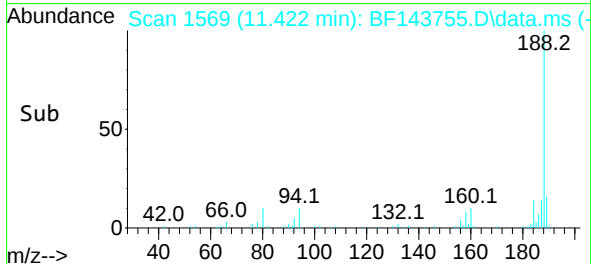
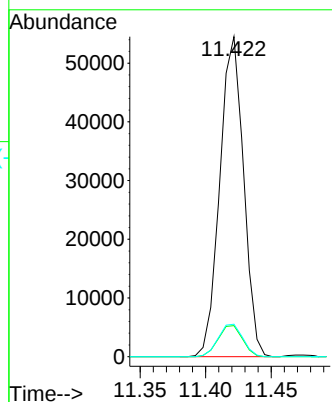
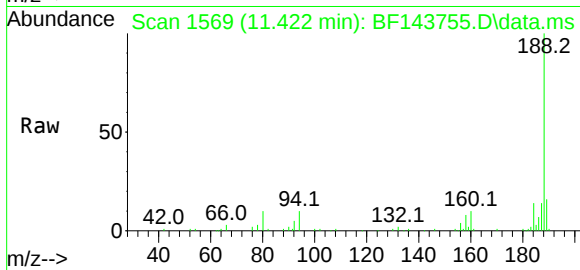
Tgt Ion:188 Resp: 68629

Ion Ratio Lower Upper

188 100

94 9.7 7.4 11.0

80 10.2 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 5.350 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.236 min

Lab File: BF143755.D

Acq: 15 Sep 2025 16:59

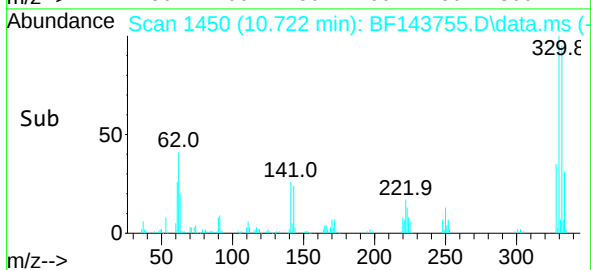
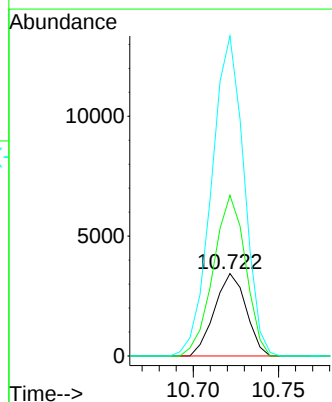
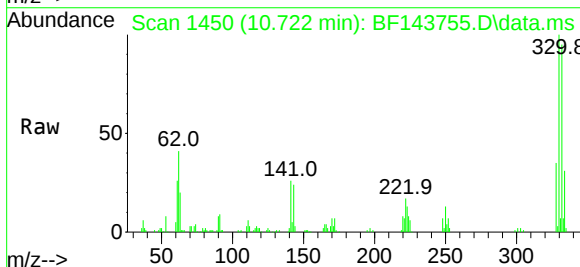
Tgt Ion:248 Resp: 4428

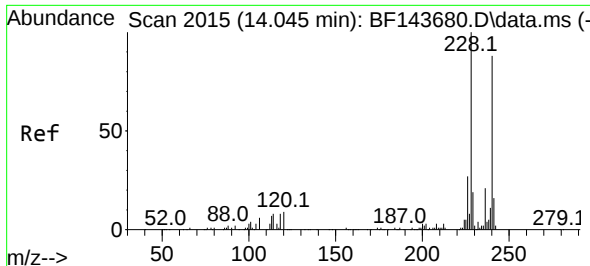
Ion Ratio Lower Upper

248 100

250 194.9 77.5 116.3#

141 388.3 52.6 79.0#

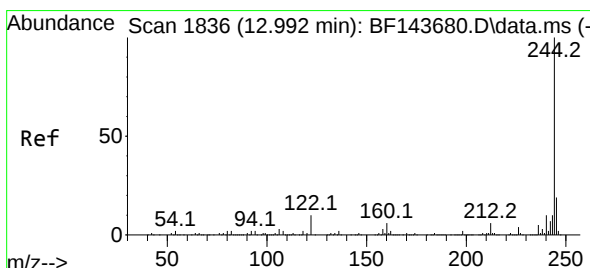
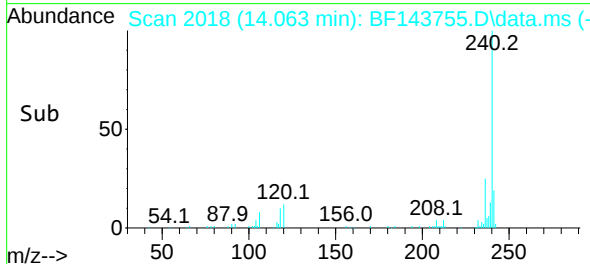
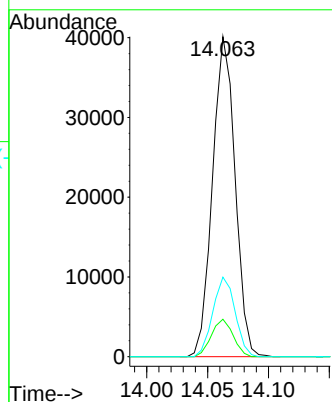
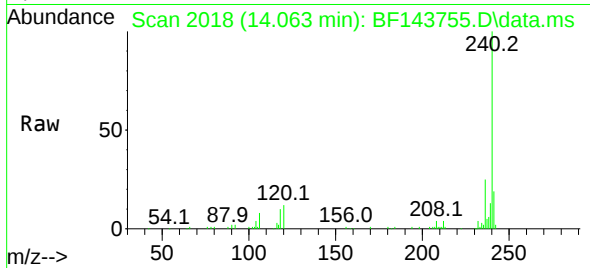




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. 0.017 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

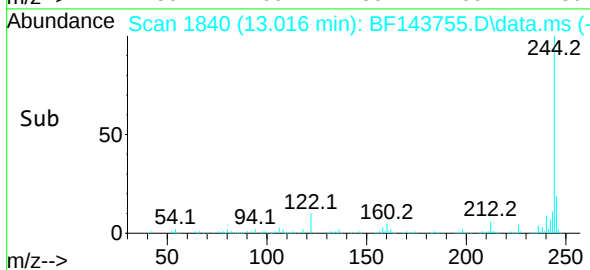
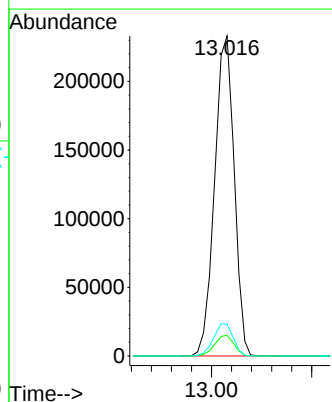
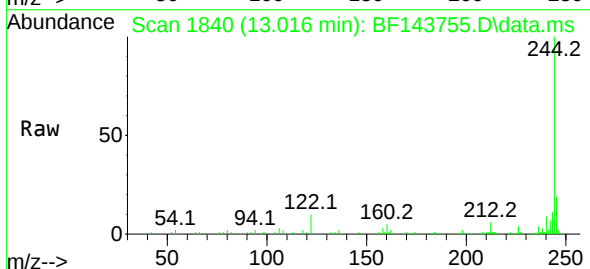
Instrument :
BNA_F
ClientSampleId :
MH-384

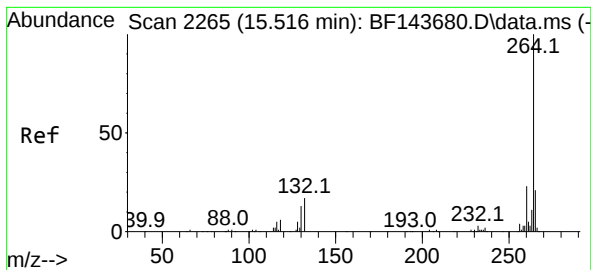
Tgt Ion:240 Resp: 51622
Ion Ratio Lower Upper
240 100
120 11.7 8.4 12.6
236 24.9 18.6 28.0



#79
Terphenyl-d14
Concen: 99.177 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.023 min
Lab File: BF143755.D
Acq: 15 Sep 2025 16:59

Tgt Ion:244 Resp: 315931
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.6
122 9.9 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF143755.D

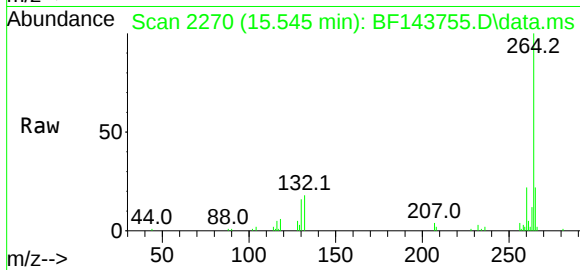
Acq: 15 Sep 2025 16:59

Instrument :

BNA_F

ClientSampleId :

MH-384



Tgt Ion:264 Resp: 29776

Ion Ratio Lower Upper

264 100

260 22.1 18.4 27.6

265 21.5 17.1 25.7

