

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142734.D
 Acq On : 11 Jun 2025 14:50
 Operator : RC/JU
 Sample : Q2268-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605

Quant Time: Jun 11 18:18:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

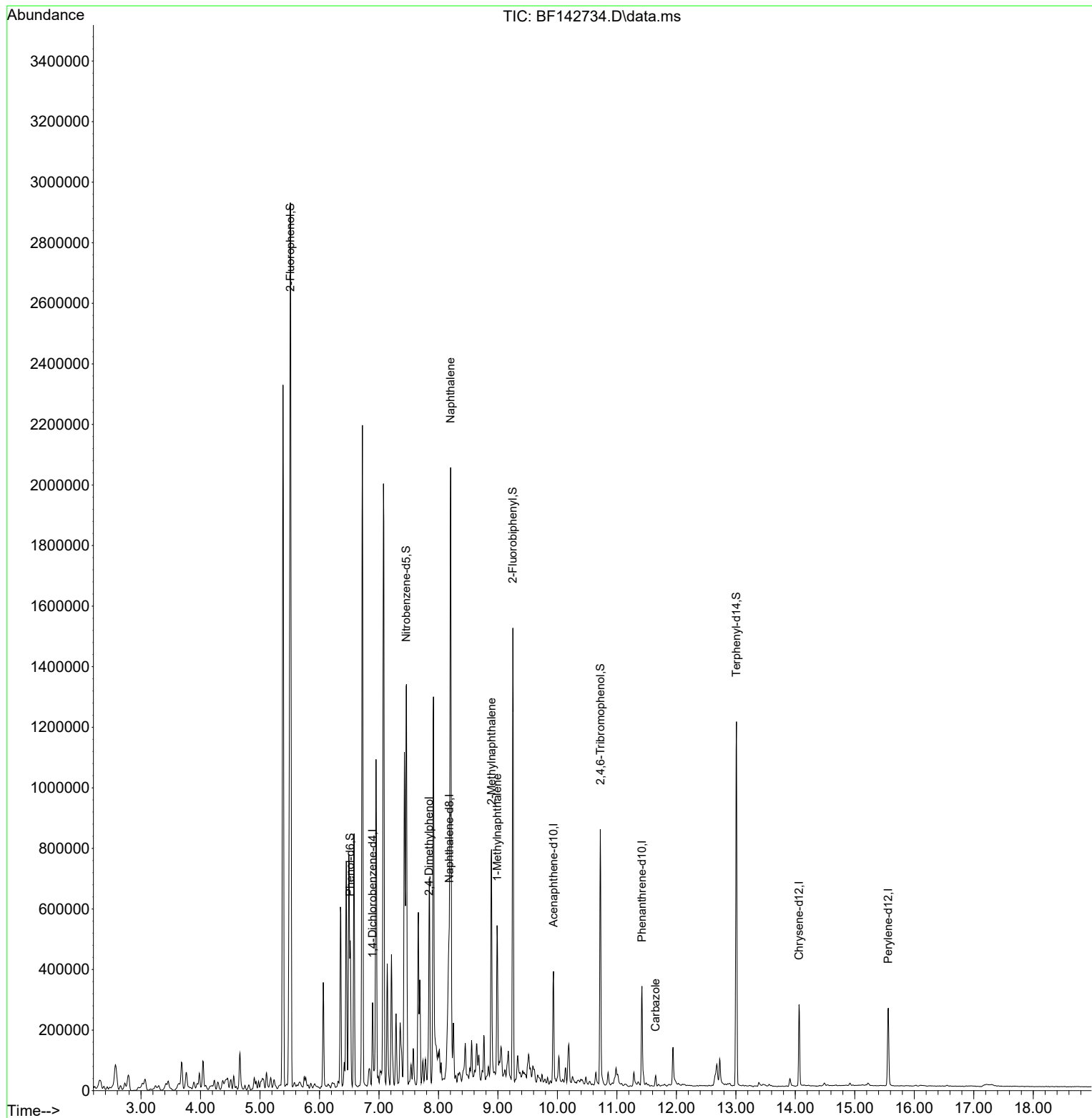
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	57618	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	209614	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	108382	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	166518	20.000	ng	0.00
76) Chrysene-d12	14.063	240	133428	20.000	ng	0.00
86) Perylene-d12	15.563	264	157760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	191248	56.531	ng	0.00
7) Phenol-d6	6.516	99	209494	52.619	ng	0.00
23) Nitrobenzene-d5	7.457	82	312453	81.578	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	144075	121.290	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	666189	81.662	ng	0.00
79) Terphenyl-d14	13.010	244	589954	60.727	ng	0.00
Target Compounds						
						Qvalue
27) 2,4-Dimethylphenol	7.840	122	13026	4.033	ng	90
31) Naphthalene	8.204	128	1277553	123.236	ng	99
37) 2-Methylnaphthalene	8.892	142	295287	45.002	ng	99
38) 1-Methylnaphthalene	8.987	142	169596	24.950	ng	100
73) Carbazole	11.651	167	19635	2.541	ng	98

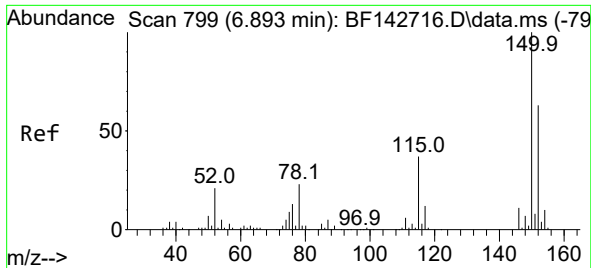
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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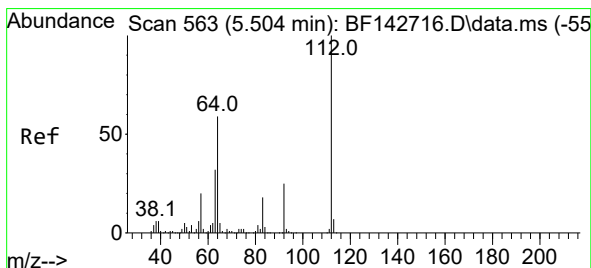
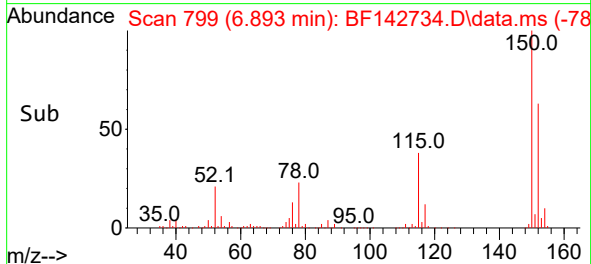
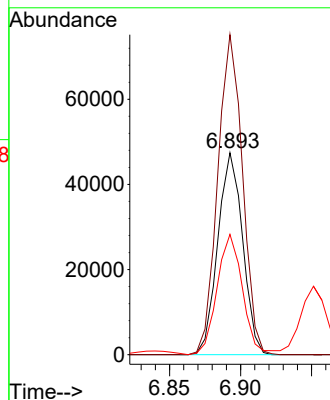
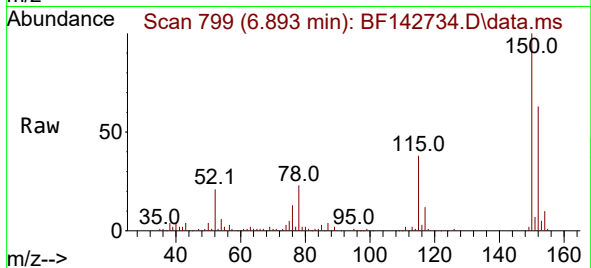




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

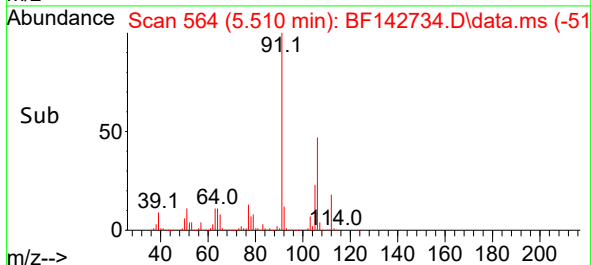
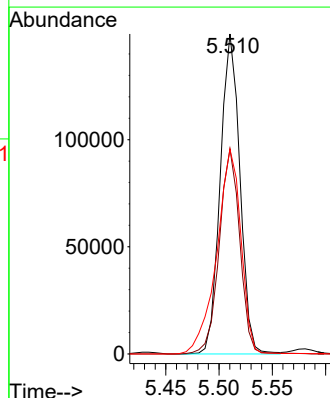
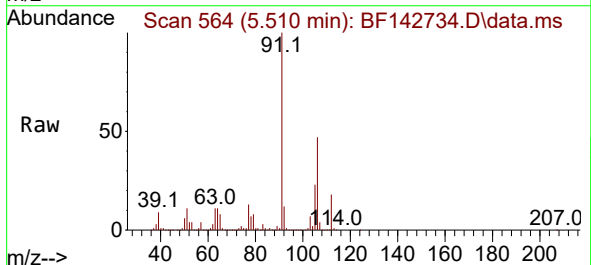
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

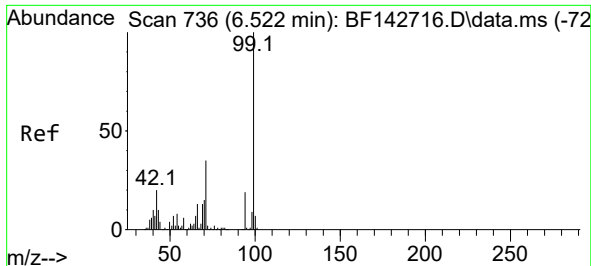
Tgt Ion:152 Resp: 57618
Ion Ratio Lower Upper
152 100
150 158.5 126.9 190.3
115 59.6 47.0 70.6



#5
2-Fluorophenol
Concen: 56.531 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Tgt Ion:112 Resp: 191248
Ion Ratio Lower Upper
112 100
64 64.1 47.4 71.2
63 64.0 25.4 38.0#





#7

Phenol-d6

Concen: 52.619 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605

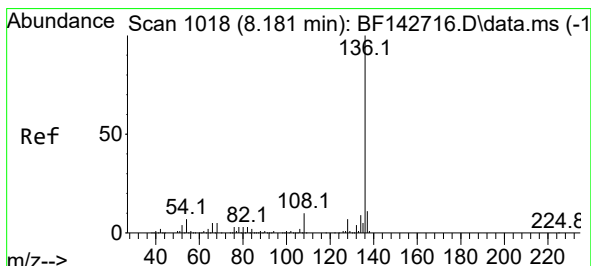
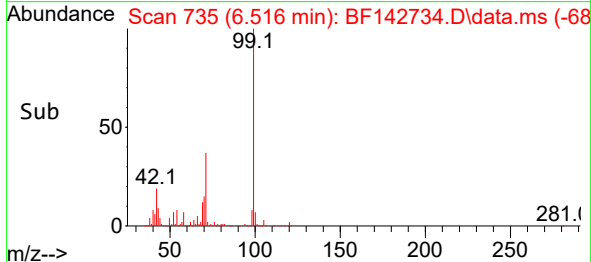
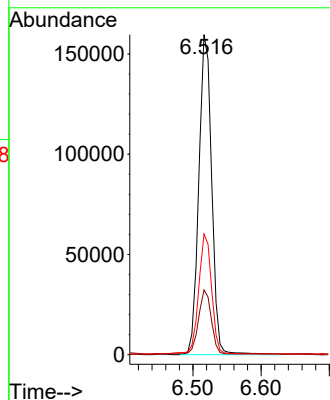
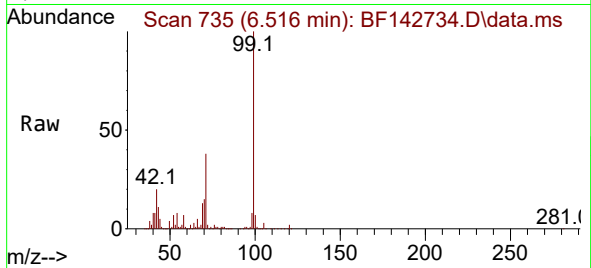
Tgt Ion: 99 Resp: 209494

Ion Ratio Lower Upper

99 100

42 20.2 15.9 23.9

71 37.7 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Tgt Ion:136 Resp: 209614

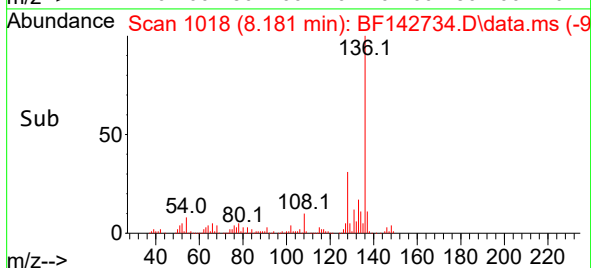
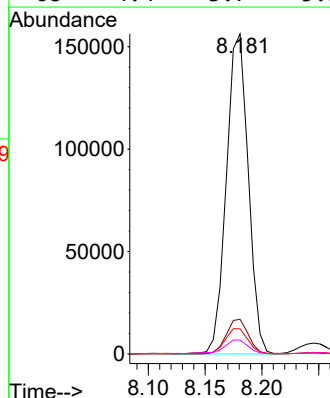
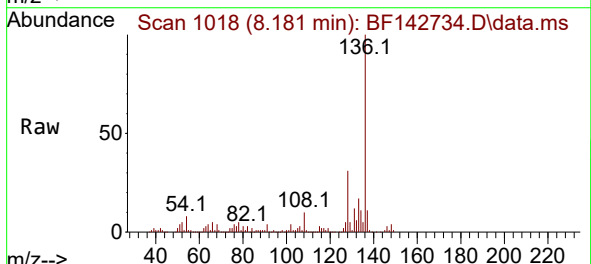
Ion Ratio Lower Upper

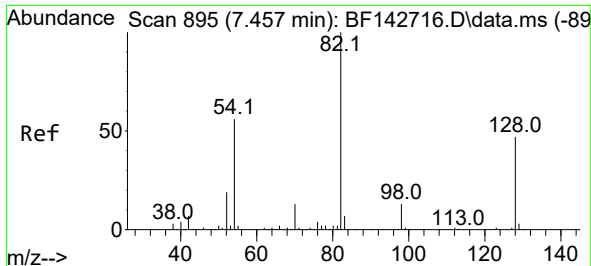
136 100

137 10.9 8.7 13.1

54 7.8 5.9 8.9

68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 81.578 ng

RT: 7.457 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605

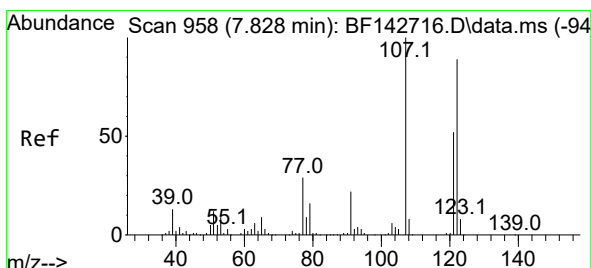
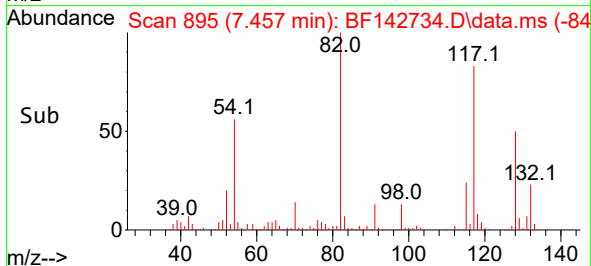
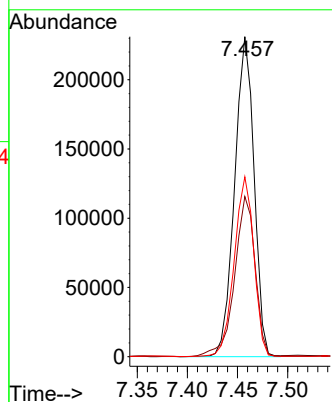
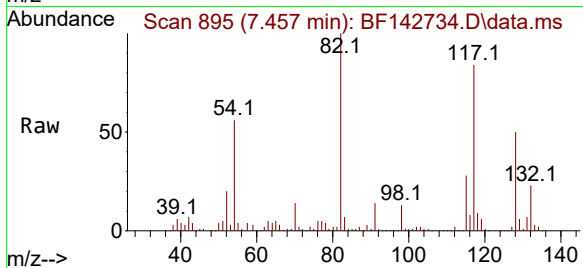
Tgt Ion: 82 Resp: 312453

Ion Ratio Lower Upper

82 100

128 50.1 37.8 56.8

54 56.2 44.9 67.3



#27

2,4-Dimethylphenol

Concen: 4.033 ng

RT: 7.840 min Scan# 960

Delta R.T. 0.012 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

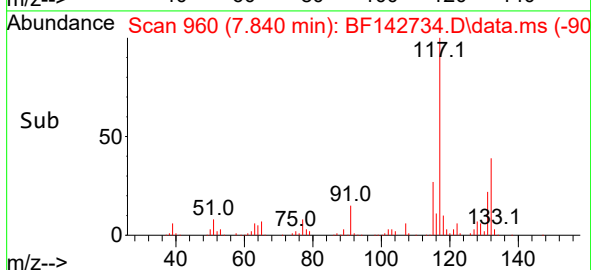
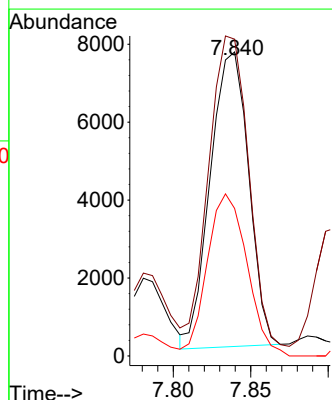
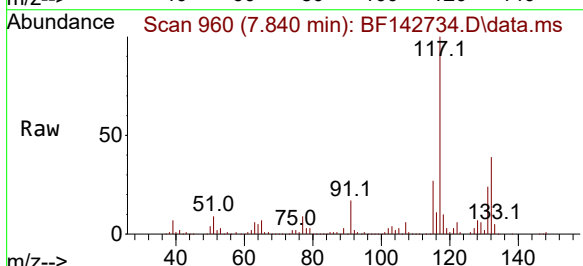
Tgt Ion: 122 Resp: 13026

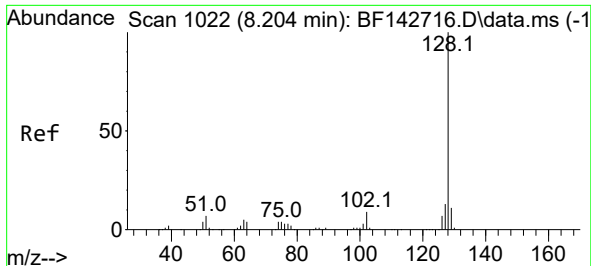
Ion Ratio Lower Upper

122 100

107 104.2 90.4 135.6

121 48.5 46.9 70.3

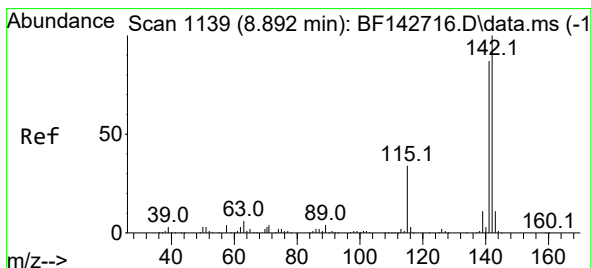
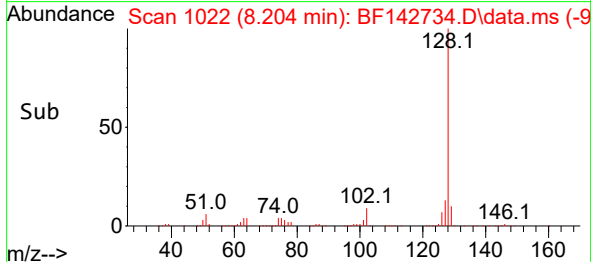
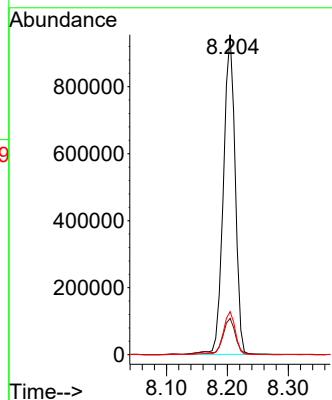
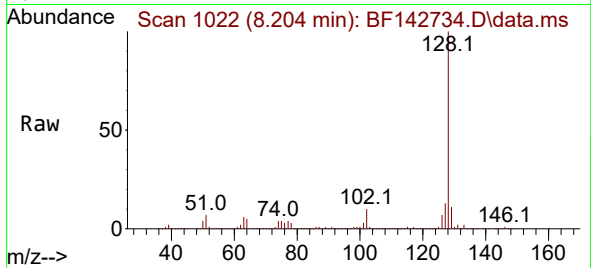




#31
Naphthalene
Concen: 123.236 ng
RT: 8.204 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

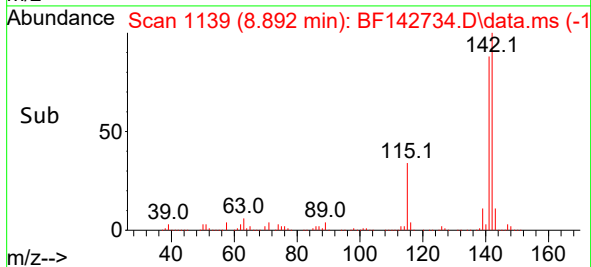
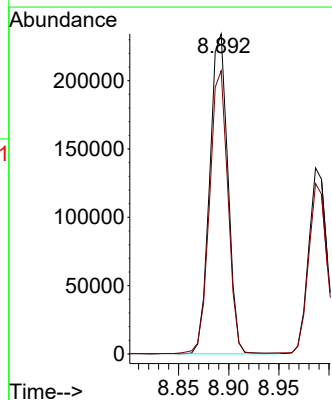
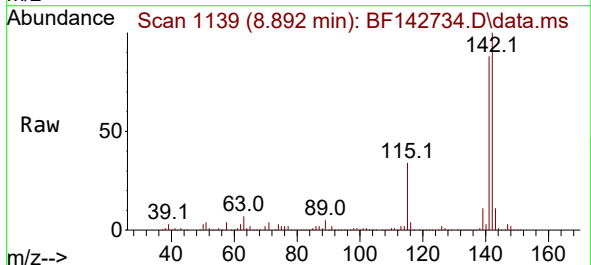
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

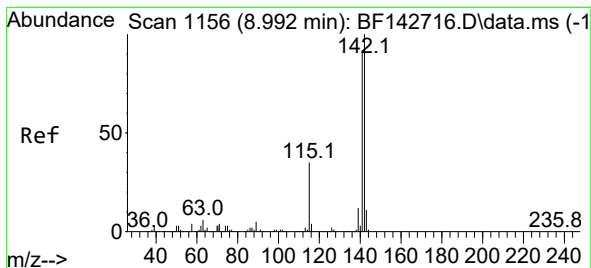
Tgt Ion:128 Resp: 1277553
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.5 10.4 15.6



#37
2-Methylnaphthalene
Concen: 45.002 ng
RT: 8.892 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Tgt Ion:142 Resp: 295287
Ion Ratio Lower Upper
142 100
141 88.5 69.9 104.9





#38

1-Methylnaphthalene

Concen: 24.950 ng

RT: 8.987 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

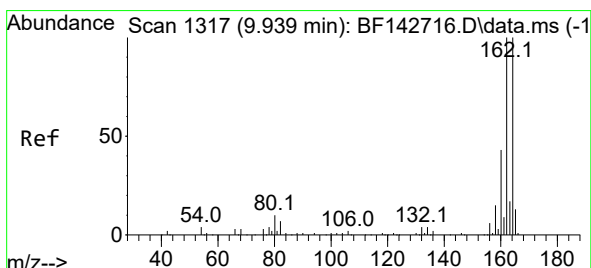
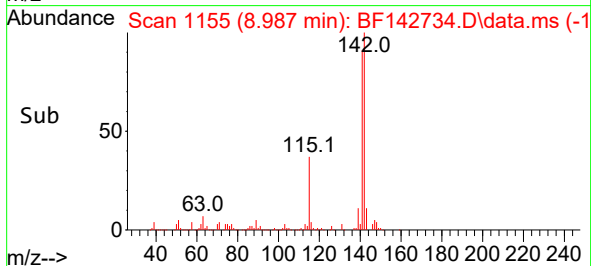
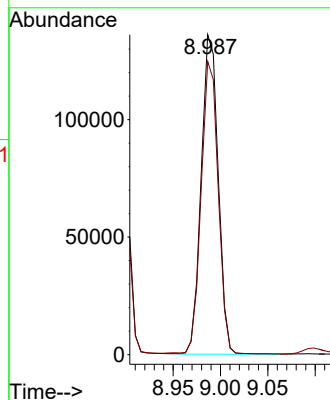
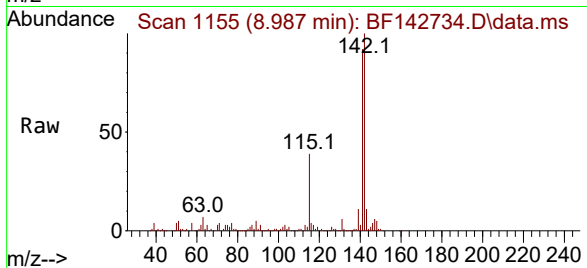
MW-2-20250605

Tgt Ion:142 Resp: 169596

Ion Ratio Lower Upper

142 100

141 91.6 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

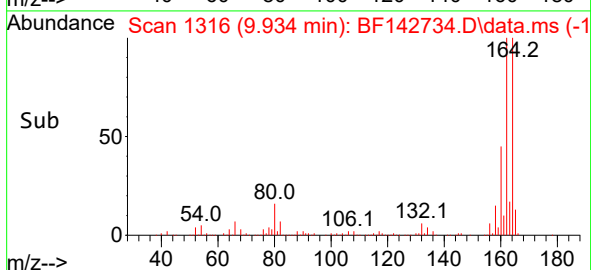
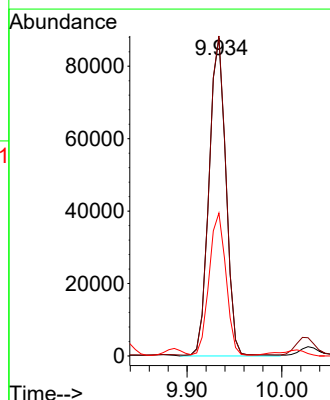
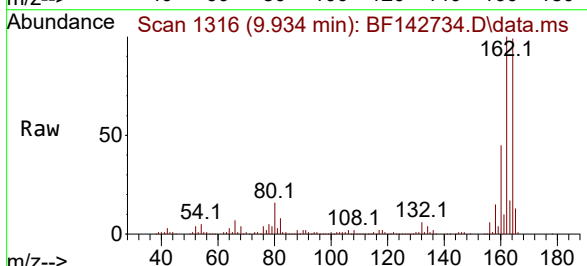
Tgt Ion:164 Resp: 108382

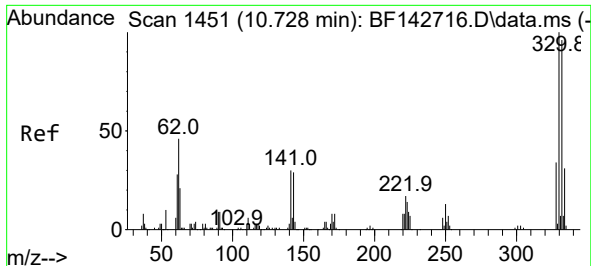
Ion Ratio Lower Upper

164 100

162 100.7 79.9 119.9

160 44.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 121.290 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605

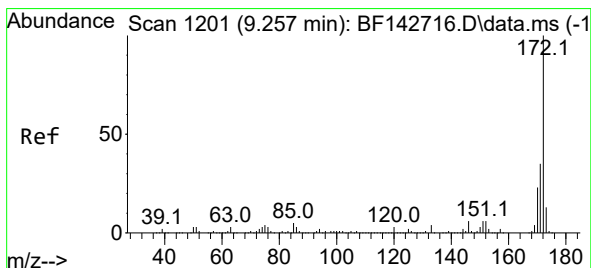
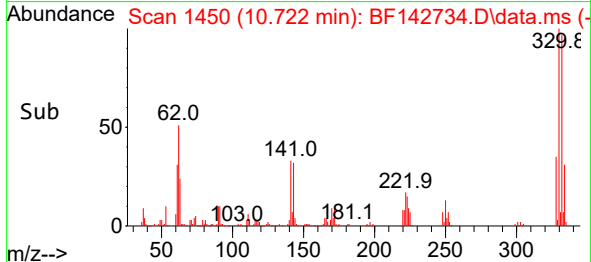
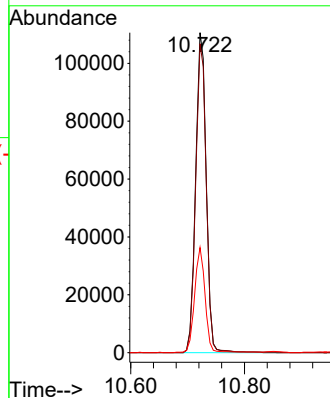
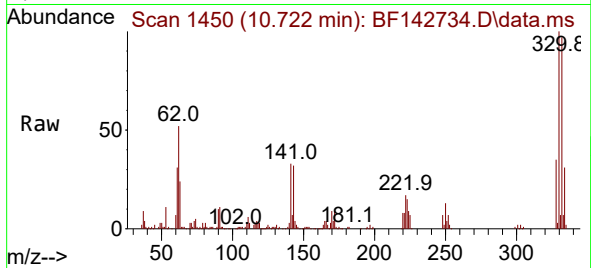
Tgt Ion:330 Resp: 144075

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 32.6 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 81.662 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

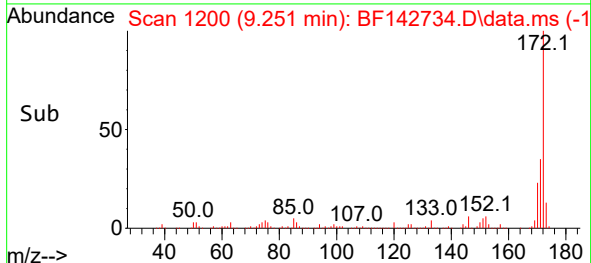
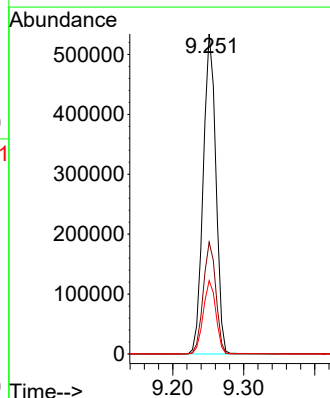
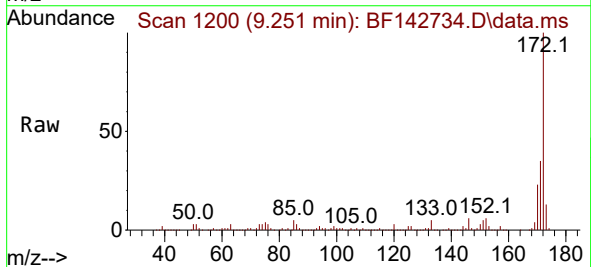
Tgt Ion:172 Resp: 666189

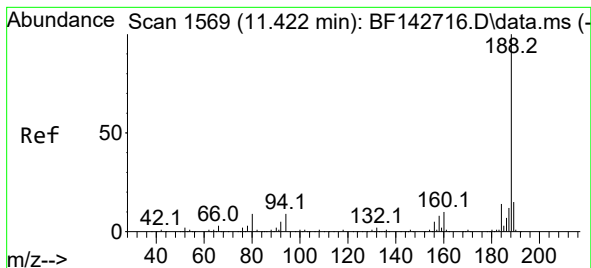
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 22.9 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605

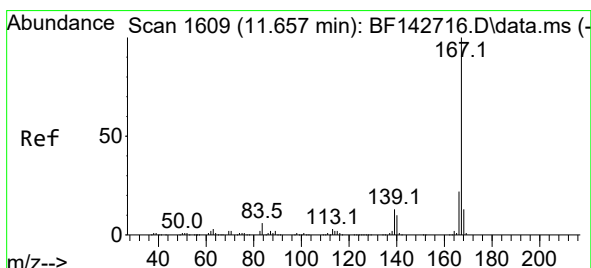
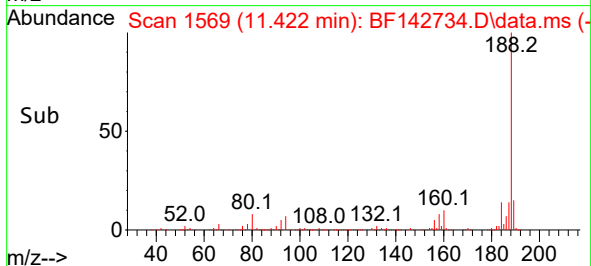
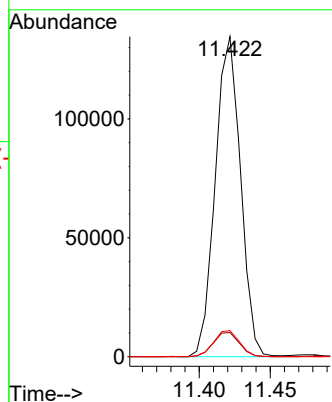
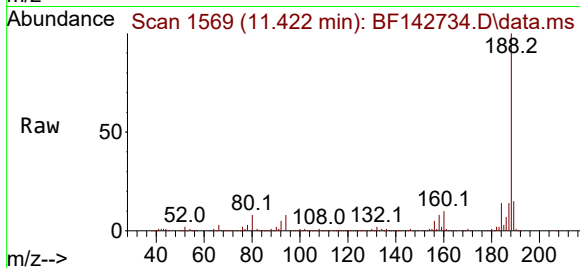
Tgt Ion:188 Resp: 166518

Ion Ratio Lower Upper

188 100

94 7.6 6.8 10.2

80 8.1 7.1 10.7



#73

Carbazole

Concen: 2.541 ng

RT: 11.651 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

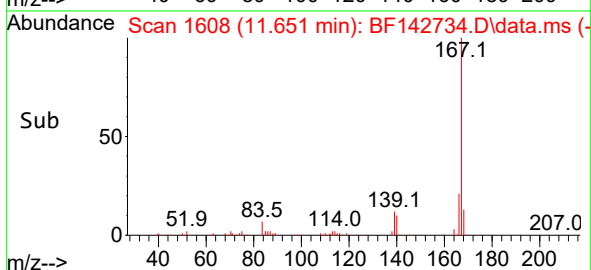
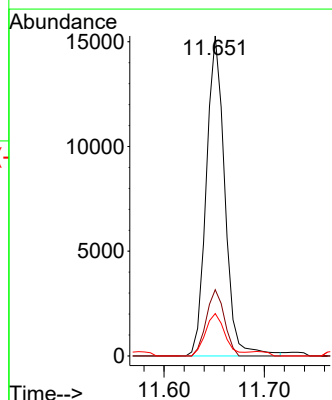
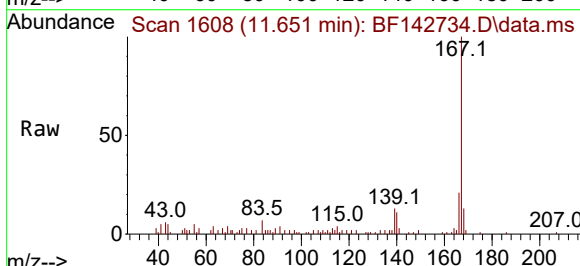
Tgt Ion:167 Resp: 19635

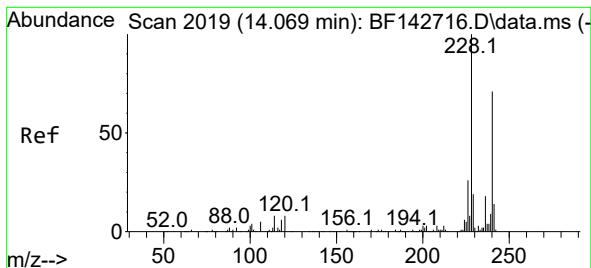
Ion Ratio Lower Upper

167 100

166 20.7 17.2 25.8

139 13.3 10.2 15.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605

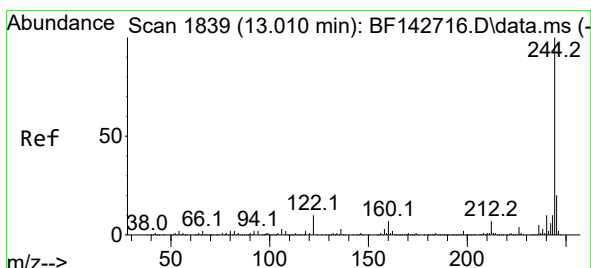
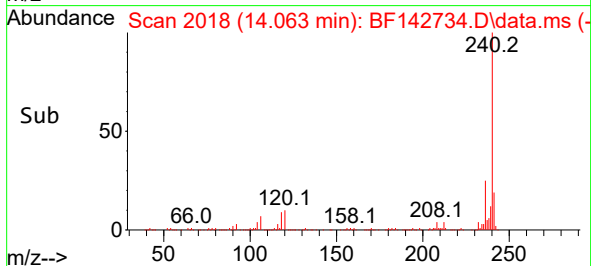
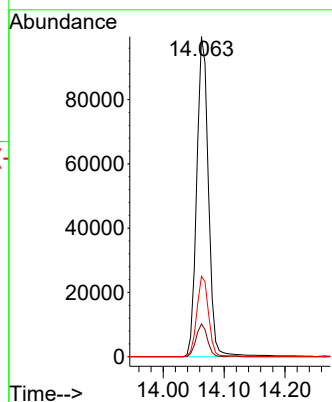
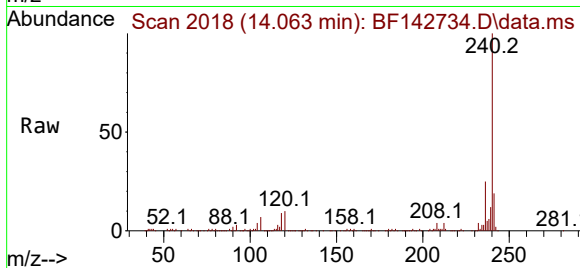
Tgt Ion:240 Resp: 133428

Ion Ratio Lower Upper

240 100

120 10.3 8.5 12.7

236 25.1 20.1 30.1



#79

Terphenyl-d14

Concen: 60.727 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

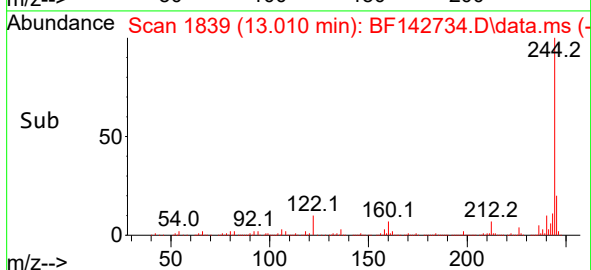
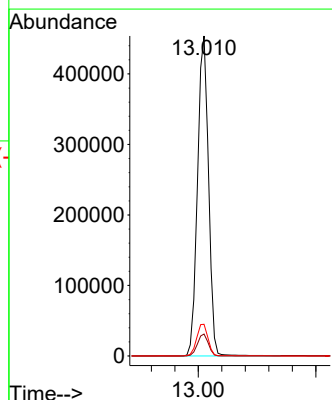
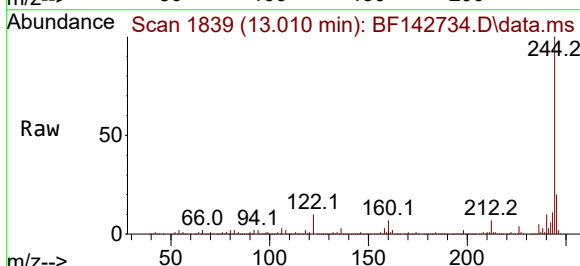
Tgt Ion:244 Resp: 589954

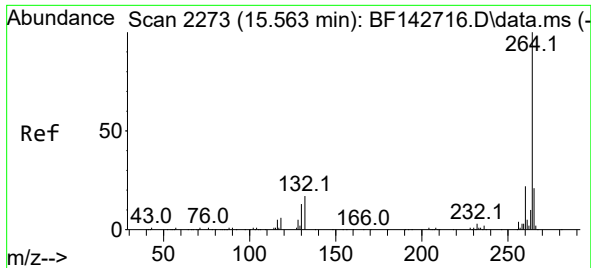
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 9.9 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

Tgt Ion:264 Resp: 157760

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.8	26.6
265	21.2	16.6	25.0

