

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142721.D
 Acq On : 10 Jun 2025 21:47
 Operator : RC/JU
 Sample : PB168323BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168323BL

Quant Time: Jun 11 05:59:10 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)

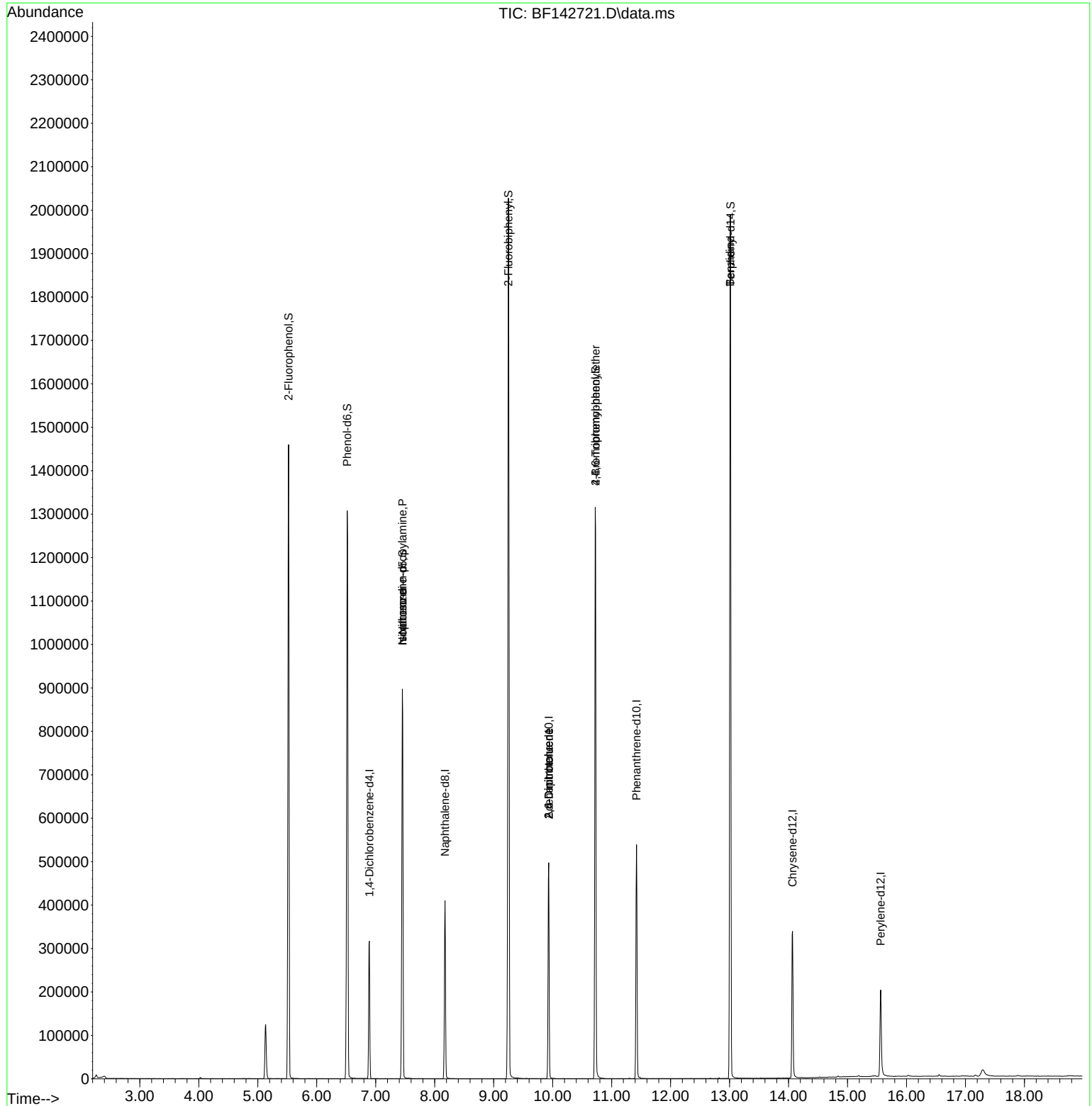
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	71862	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	283214	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	158697	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	290076	20.000	ng	0.00
76) Chrysene-d12	14.069	240	182414	20.000	ng	0.00
86) Perylene-d12	15.563	264	137447	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	581086	137.718	ng	0.02
7) Phenol-d6	6.516	99	683769	137.702	ng	0.00
23) Nitrobenzene-d5	7.451	82	433835	83.833	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	247811	142.478	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	983642	82.347	ng	0.00
79) Terphenyl-d14	13.016	244	1051533	79.173	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	59611	18.857	ng	Qvalue
25) Isophorone	7.451	82	429118	48.975	ng	# 75
51) 2,6-Dinitrotoluene	9.934	165	20108	8.779	ng	# 63
57) 2,4-Dinitrotoluene	9.934	165	20108	6.640	ng	# 29
67) 4-Bromophenyl-phenylether	10.728	248	15582	4.551	ng	# 27
77) Benzidine	13.010	184	13357	2.056	ng	# 1

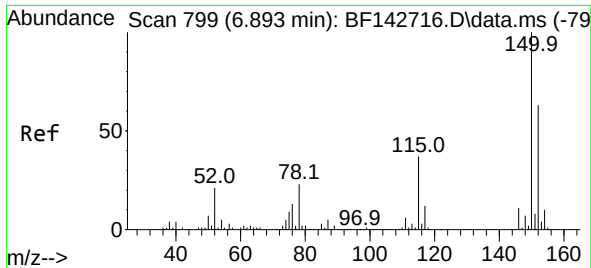
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142721.D
Acq On : 10 Jun 2025 21:47
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168323BL

Quant Time: Jun 11 05:59:10 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

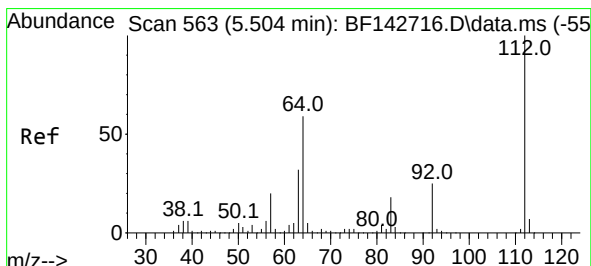
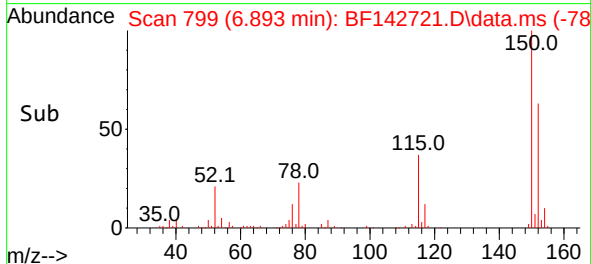
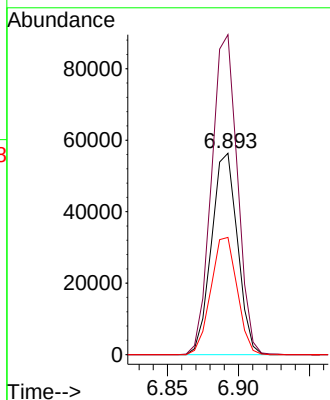
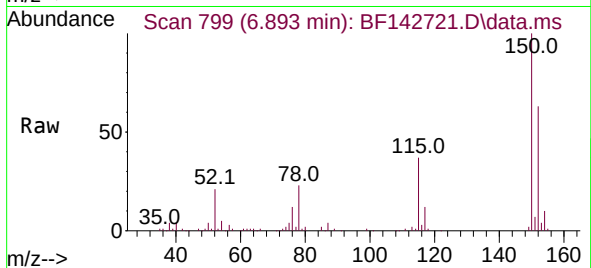




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

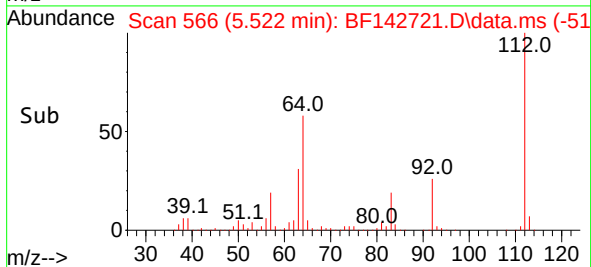
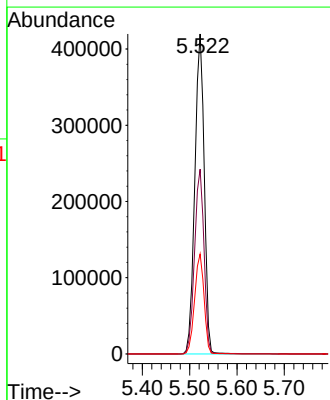
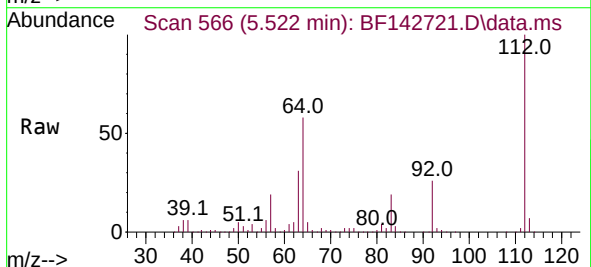
Instrument :
BNA_F
ClientSampleId :
PB168323BL

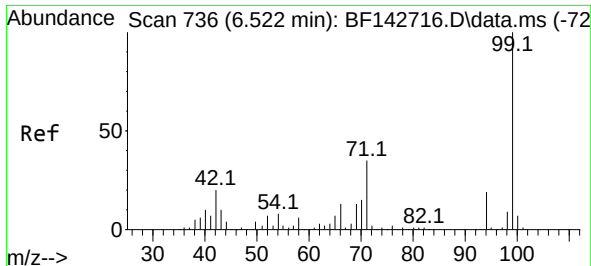
Tgt Ion:152 Resp: 71862
Ion Ratio Lower Upper
152 100
150 159.0 126.9 190.3
115 58.3 47.0 70.6



#5
2-Fluorophenol
Concen: 137.718 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

Tgt Ion:112 Resp: 581086
Ion Ratio Lower Upper
112 100
64 57.7 47.4 71.2
63 31.2 25.4 38.0

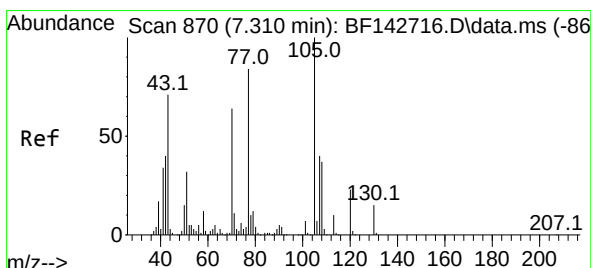
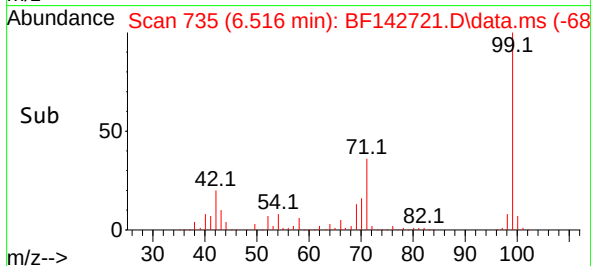
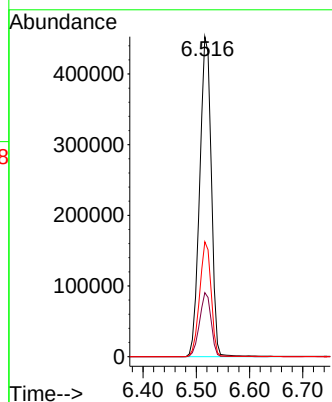
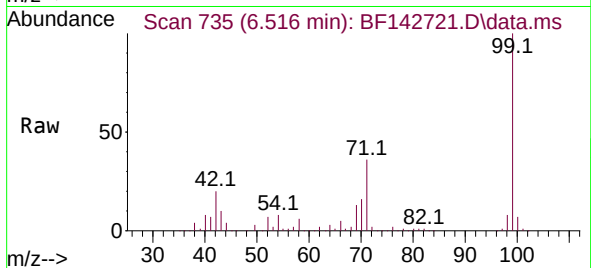




#7
Phenol-d6
Concen: 137.702 ng
RT: 6.516 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

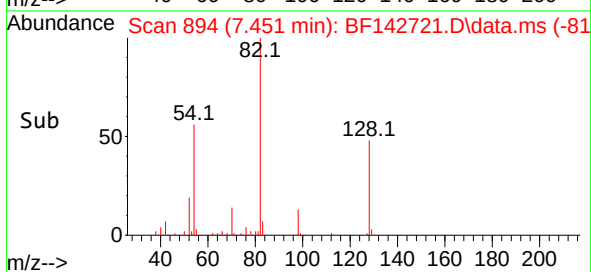
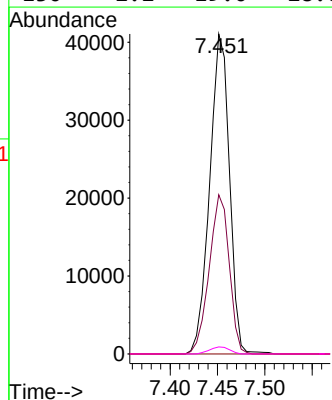
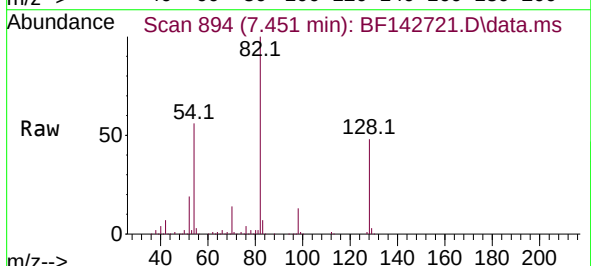
Instrument :
BNA_F
ClientSampleId :
PB168323BL

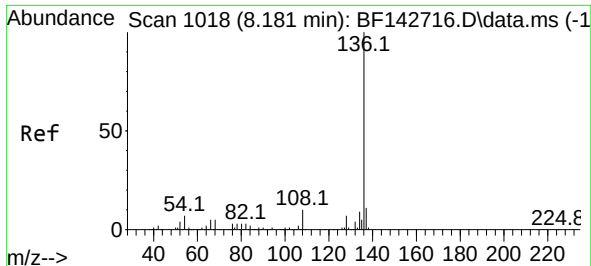
Tgt Ion: 99 Resp: 683769
Ion Ratio Lower Upper
99 100
42 20.0 15.9 23.9
71 35.9 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.857 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

Tgt Ion: 70 Resp: 59611
Ion Ratio Lower Upper
70 100
42 49.7 50.2 75.4#
101 0.0 8.3 12.5#
130 2.2 19.0 28.6#

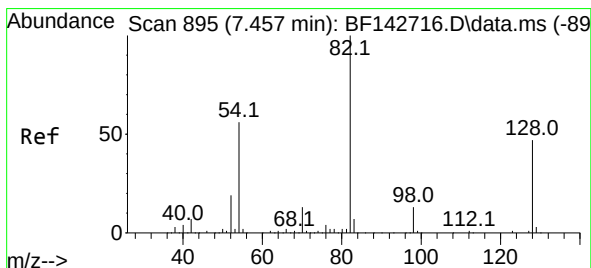
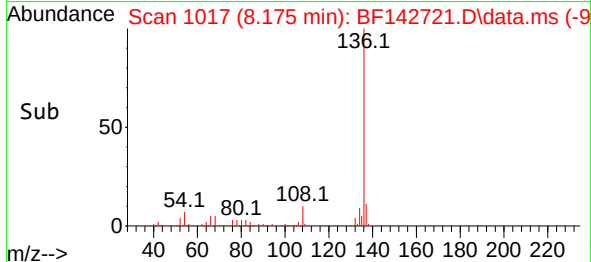
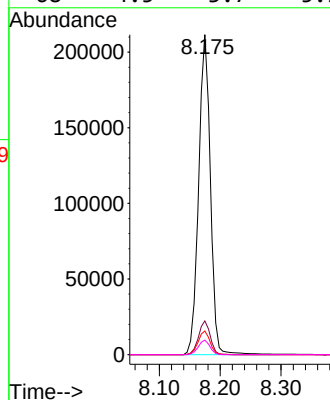
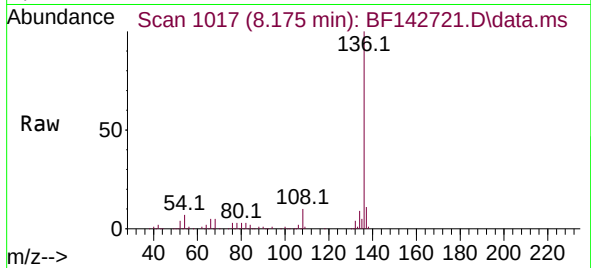




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

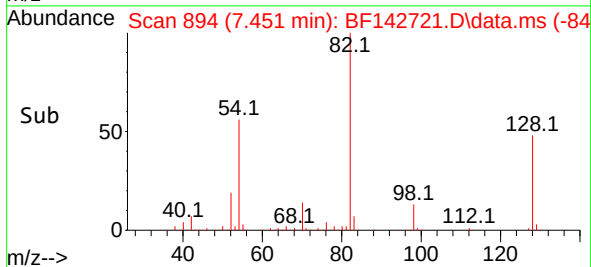
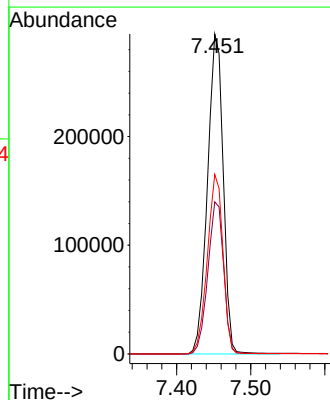
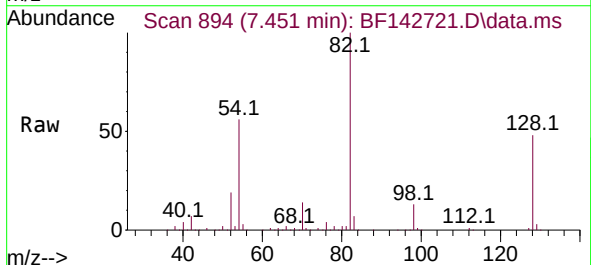
Instrument :
BNA_F
ClientSampleId :
PB168323BL

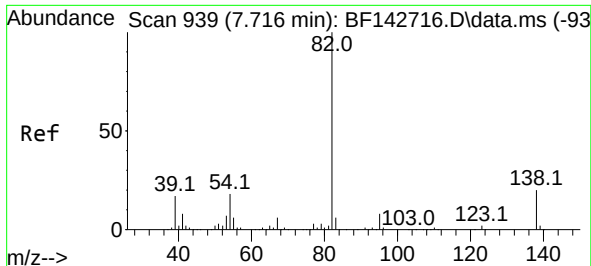
Tgt Ion:136 Resp: 283214
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.4 5.9 8.9
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 83.833 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

Tgt Ion: 82 Resp: 433835
Ion Ratio Lower Upper
82 100
128 47.5 37.8 56.8
54 56.1 44.9 67.3

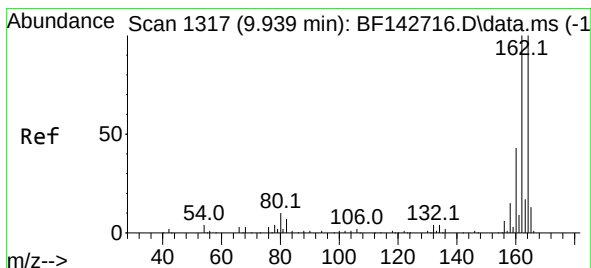
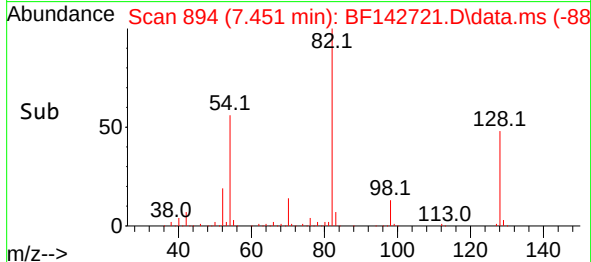
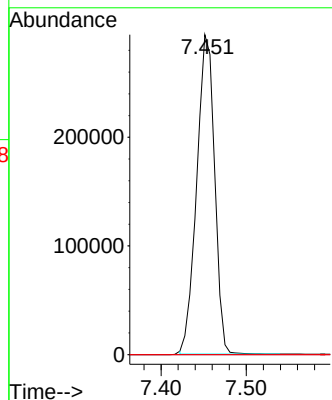
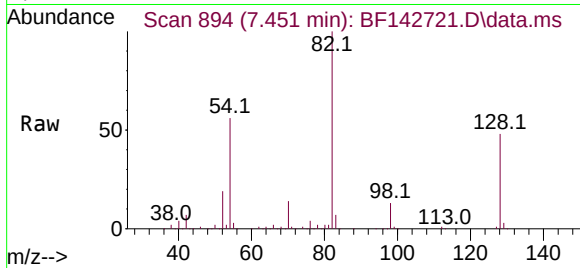




#25
Isophorone
Concen: 48.975 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

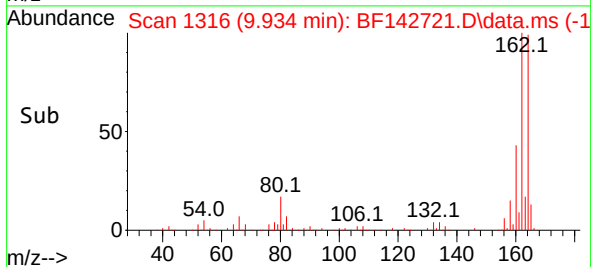
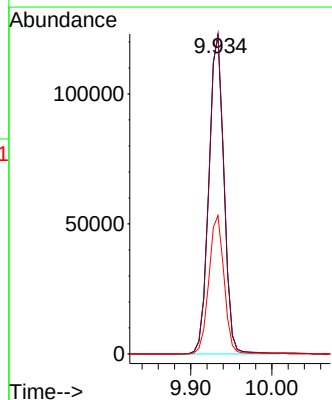
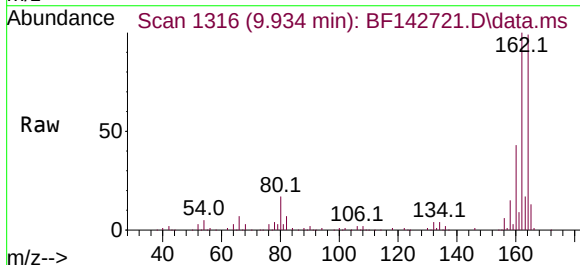
Instrument :
BNA_F
ClientSampleId :
PB168323BL

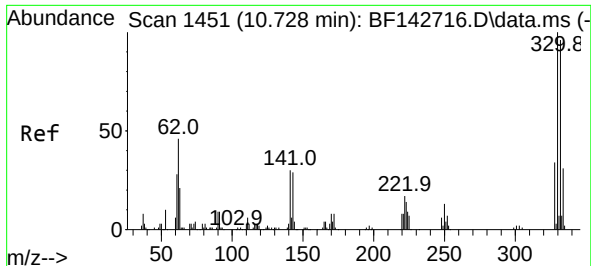
Tgt Ion: 82 Resp: 429118
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

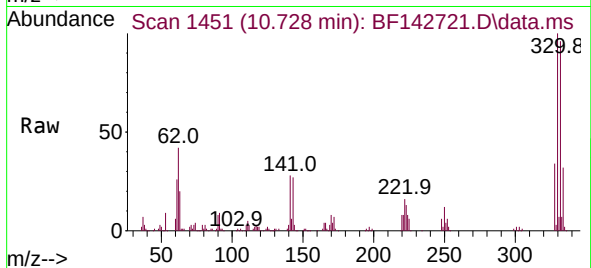
Tgt Ion:164 Resp: 158697
Ion Ratio Lower Upper
164 100
162 100.5 79.9 119.9
160 43.5 34.8 52.2



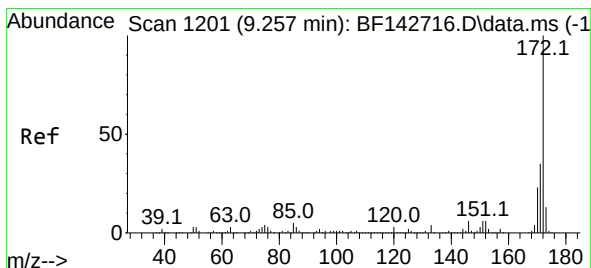
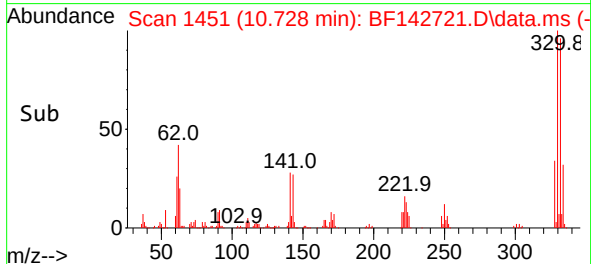
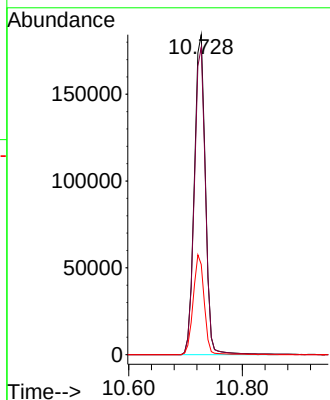


#42
2,4,6-Tribromophenol
Concen: 142.478 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

Instrument :
BNA_F
ClientSampleId :
PB168323BL

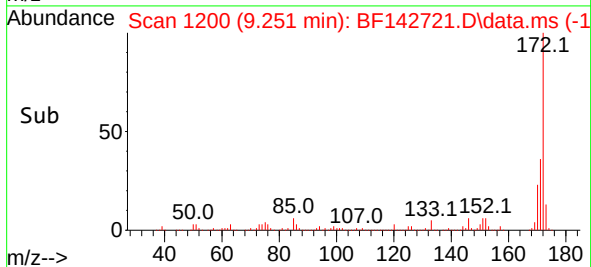
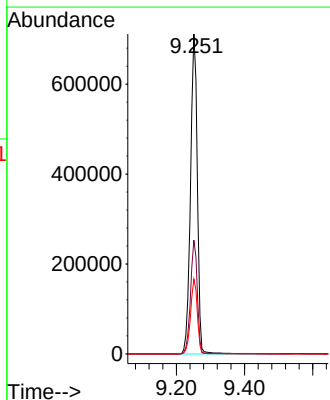
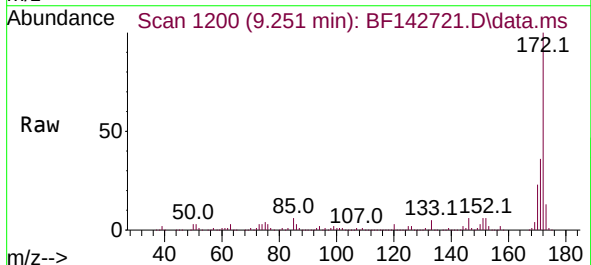


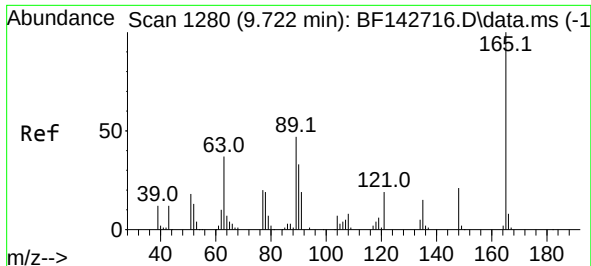
Tgt Ion:330 Resp: 247811
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 31.0 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 82.347 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

Tgt Ion:172 Resp: 983642
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.4 18.6 27.8

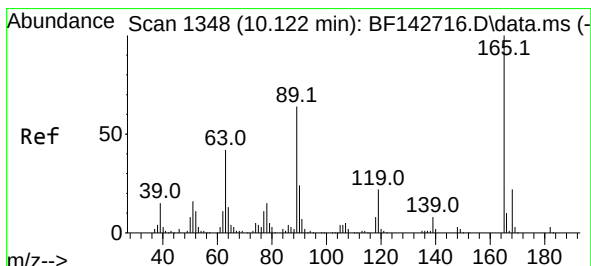
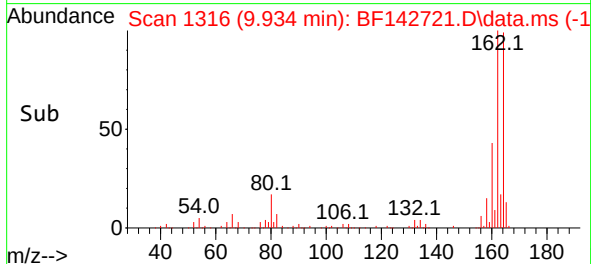
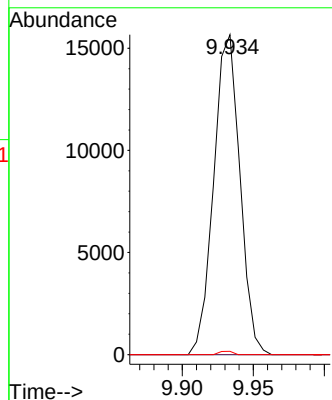
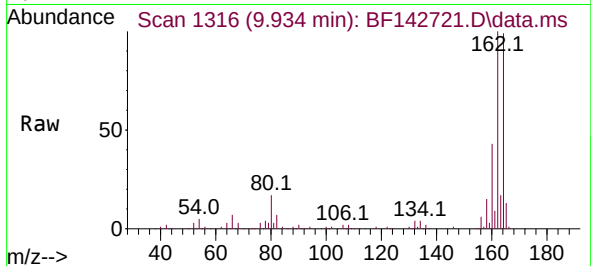




#51
2,6-Dinitrotoluene
Concen: 8.779 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

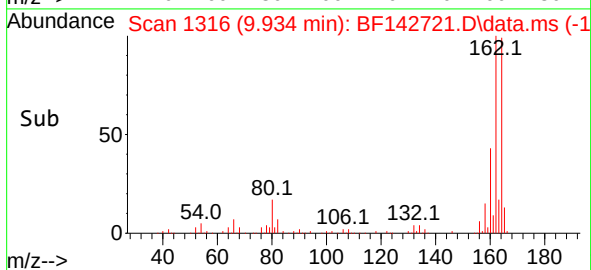
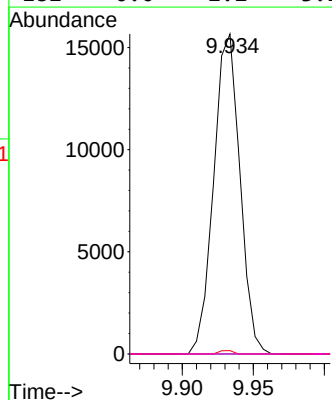
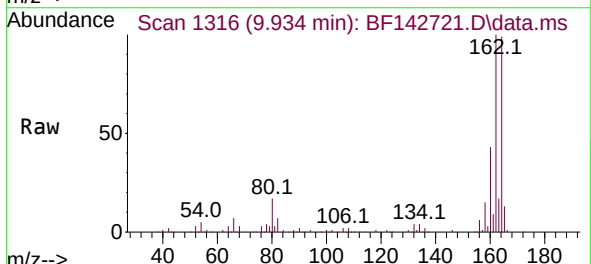
Instrument :
BNA_F
ClientSampleId :
PB168323BL

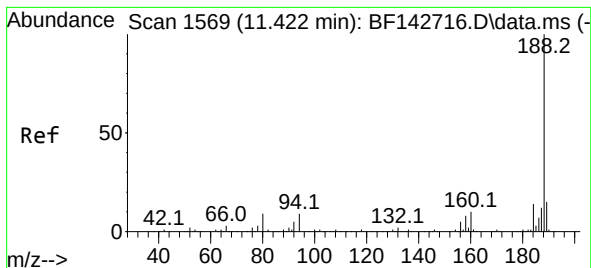
Tgt Ion:165 Resp: 20108
Ion Ratio Lower Upper
165 100
63 0.0 40.6 60.8#
89 1.0 37.6 56.4#



#57
2,4-Dinitrotoluene
Concen: 6.640 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.188 min
Lab File: BF142721.D
Acq: 10 Jun 2025 21:47

Tgt Ion:165 Resp: 20108
Ion Ratio Lower Upper
165 100
63 0.0 34.1 51.1#
89 1.0 50.8 76.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142721.D

Acq: 10 Jun 2025 21:47

Instrument :

BNA_F

ClientSampleId :

PB168323BL

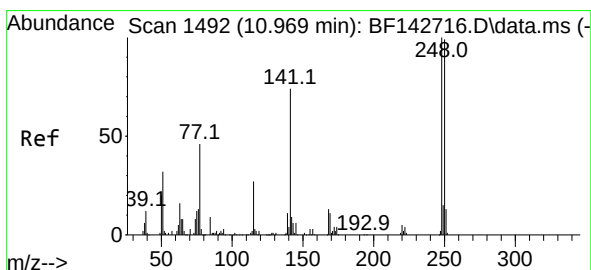
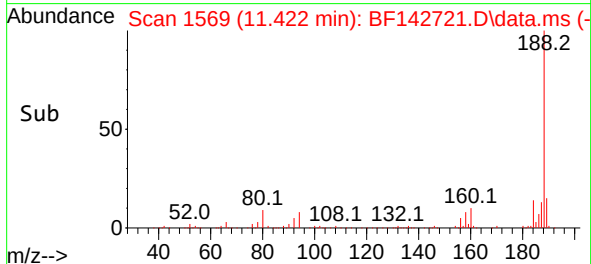
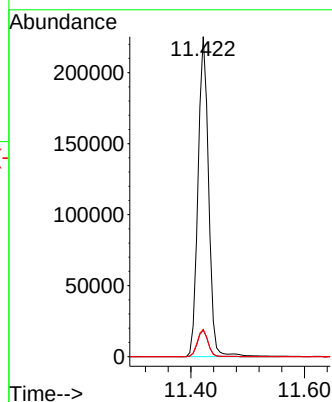
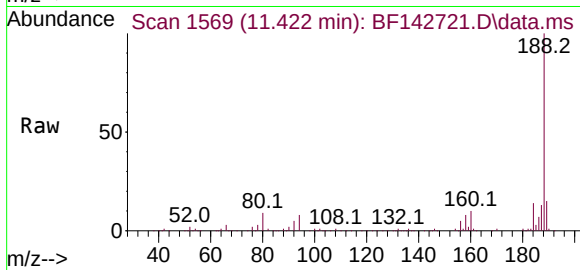
Tgt Ion:188 Resp: 290076

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 8.5 7.1 10.7



#67

4-Bromophenyl-phenylether

Concen: 4.551 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.241 min

Lab File: BF142721.D

Acq: 10 Jun 2025 21:47

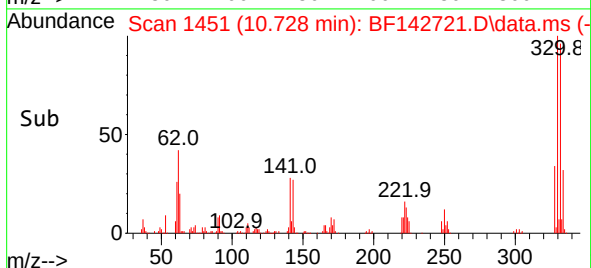
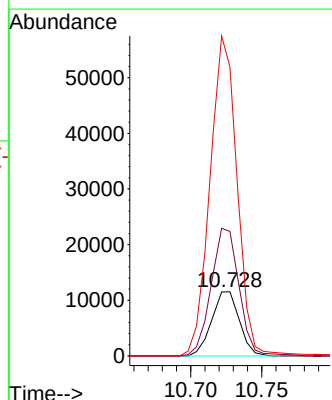
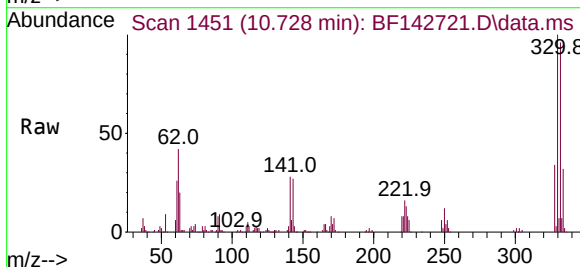
Tgt Ion:248 Resp: 15582

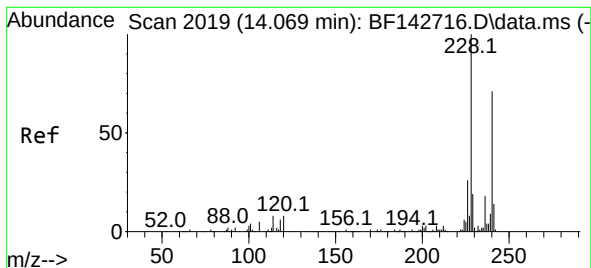
Ion Ratio Lower Upper

248 100

250 194.2 79.2 118.8#

141 451.0 59.3 88.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142721.D

Acq: 10 Jun 2025 21:47

Instrument :

BNA_F

ClientSampleId :

PB168323BL

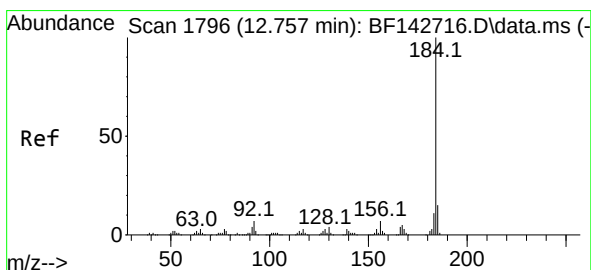
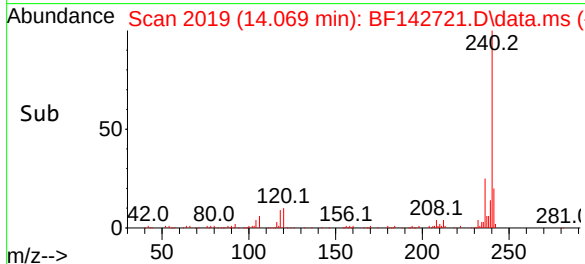
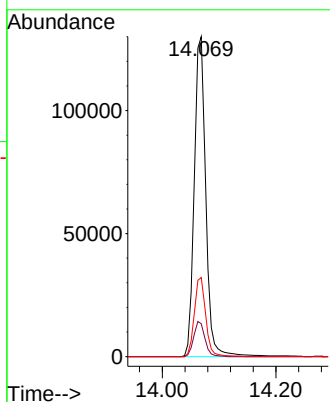
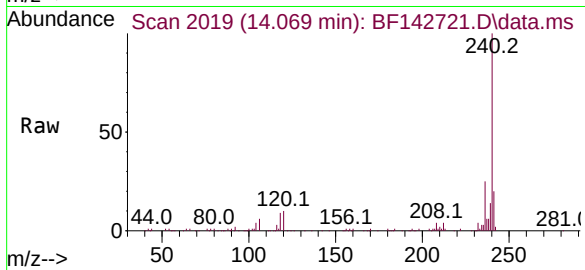
Tgt Ion:240 Resp: 182414

Ion Ratio Lower Upper

240 100

120 10.3 8.5 12.7

236 24.7 20.1 30.1



#77

Benzidine

Concen: 2.056 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.253 min

Lab File: BF142721.D

Acq: 10 Jun 2025 21:47

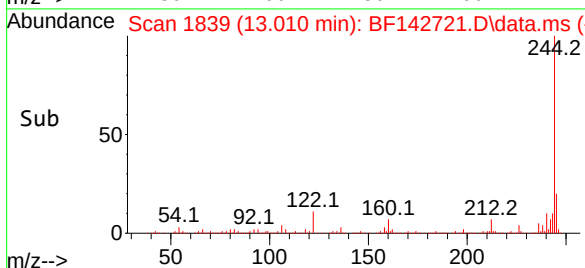
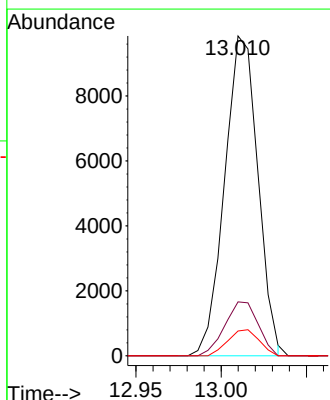
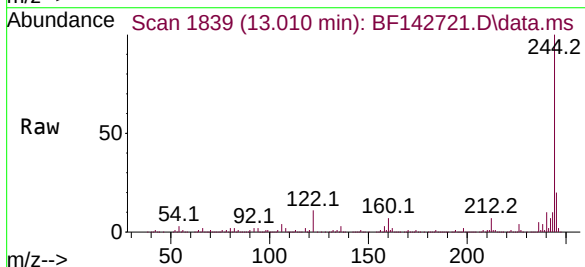
Tgt Ion:184 Resp: 13357

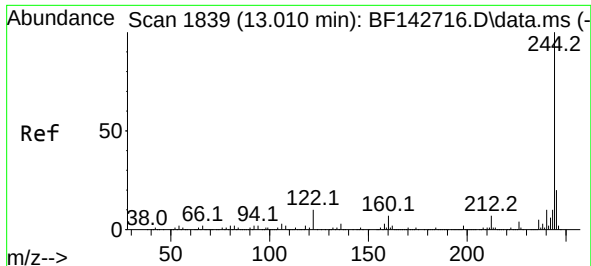
Ion Ratio Lower Upper

184 100

185 16.9 11.7 17.5

183 7.8 8.6 12.8#

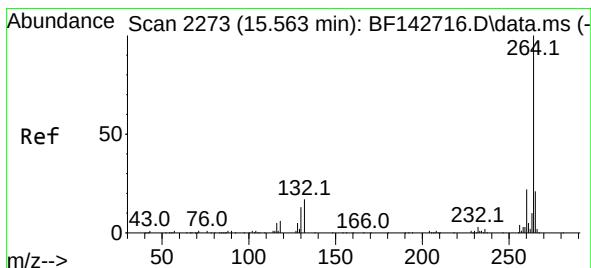
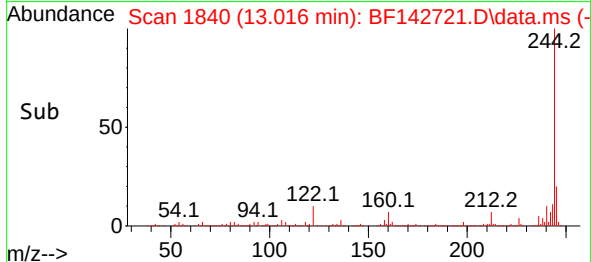
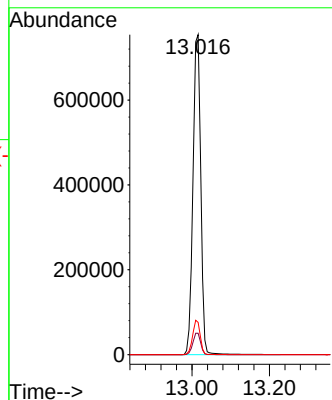
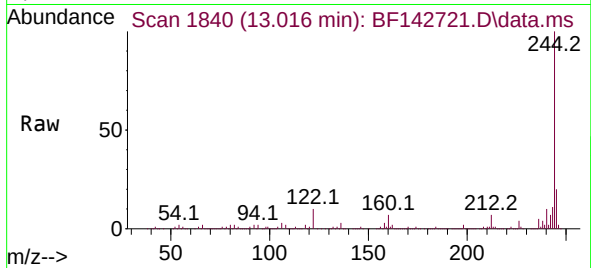




#79
 Terphenyl-d14
 Concen: 79.173 ng
 RT: 13.016 min Scan# 1839
 Delta R.T. 0.006 min
 Lab File: BF142721.D
 Acq: 10 Jun 2025 21:47

Instrument :
 BNA_F
 ClientSampleId :
 PB168323BL

Tgt Ion:244 Resp: 1051533
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.1 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. 0.000 min
 Lab File: BF142721.D
 Acq: 10 Jun 2025 21:47

Tgt Ion:264 Resp: 137447
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.8 26.6
 265 21.1 16.6 25.0

