

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061825\
 Data File : BF142779.D
 Acq On : 18 Jun 2025 15:18
 Operator : RC/JU
 Sample : Q2341-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Quant Time: Jun 18 16:30:37 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)

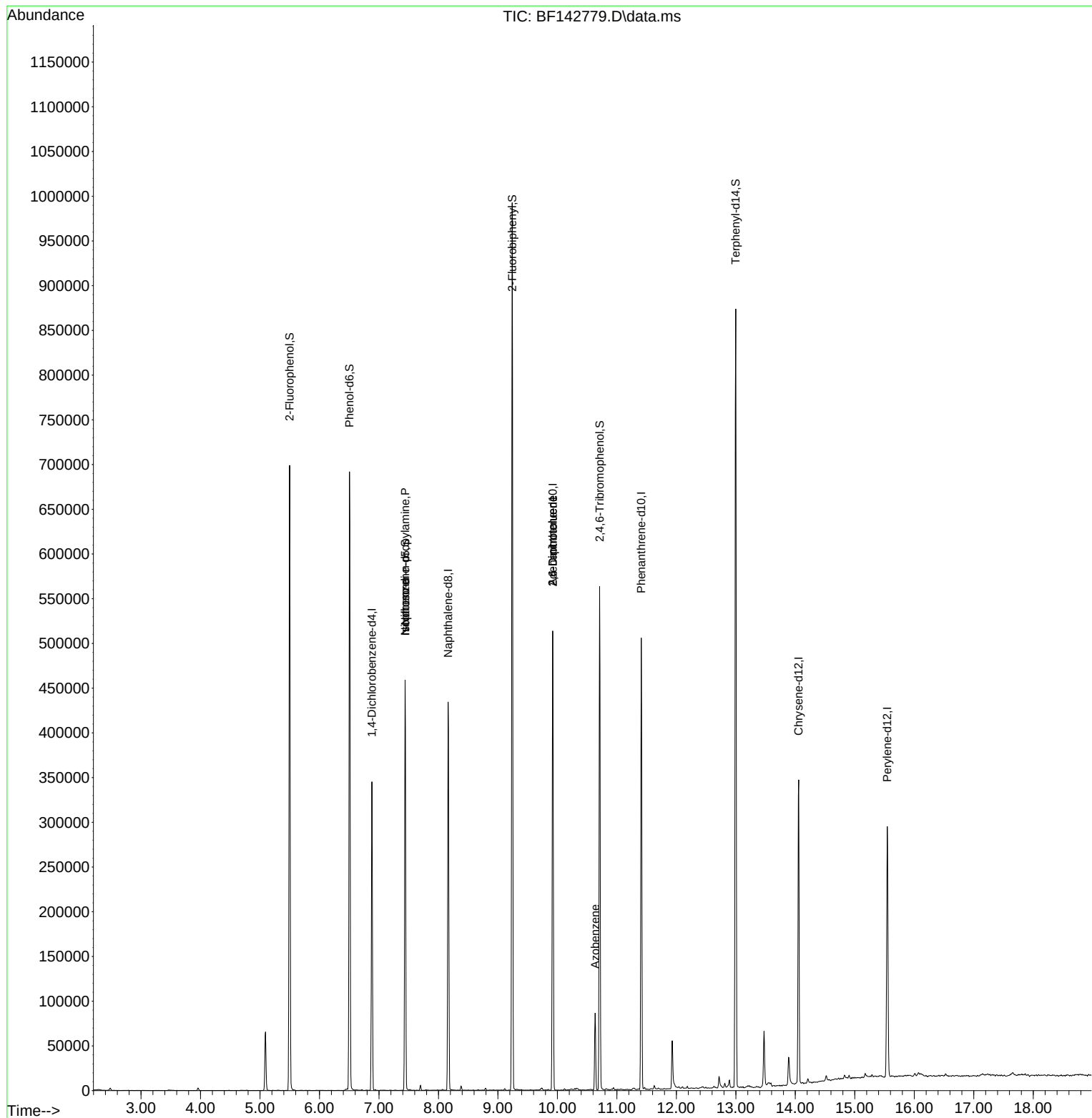
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	73174	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	280815	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	152884	20.000	ng	-0.02
64) Phenanthrene-d10	11.410	188	259372	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	168411	20.000	ng	-0.01
86) Perylene-d12	15.545	264	164643	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	254751	59.294	ng	0.00
7) Phenol-d6	6.504	99	306900	60.697	ng	-0.02
23) Nitrobenzene-d5	7.439	82	188155	36.669	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	94331	56.297	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	434974	37.799	ng	-0.02
79) Terphenyl-d14	12.998	244	416088	33.933	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	24779	7.698	ng	# 79
25) Isophorone	7.439	82	188152	21.657	ng	# 63
51) 2,6-Dinitrotoluene	9.922	165	19064	8.640	ng	# 29
57) 2,4-Dinitrotoluene	9.922	165	19064	6.535	ng	# 27
63) Azobenzene	10.633	77	20087	2.272	ng	# 1

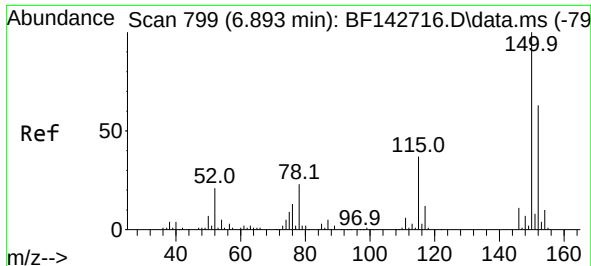
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

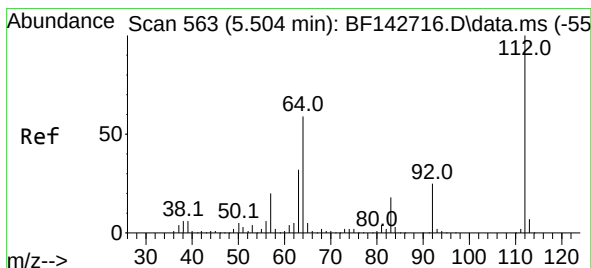
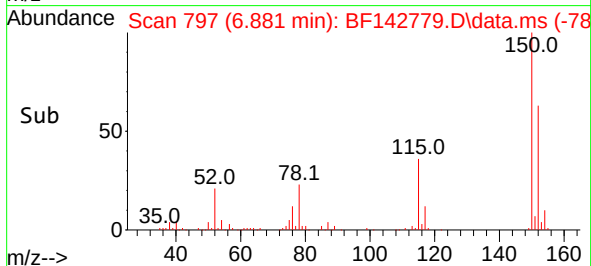
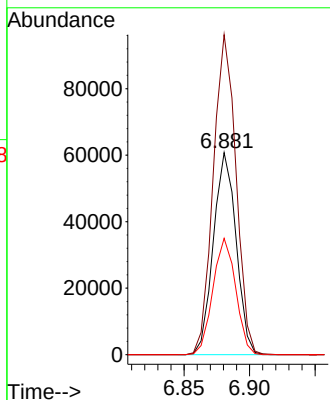
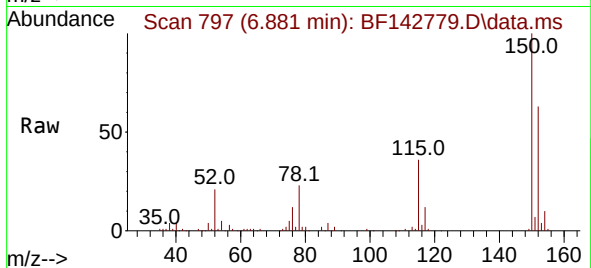




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

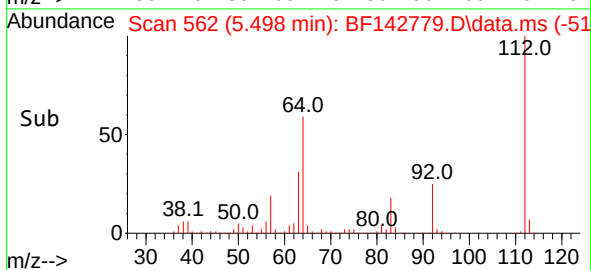
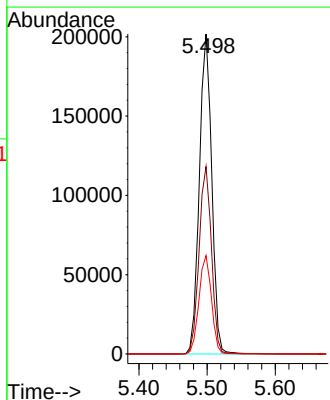
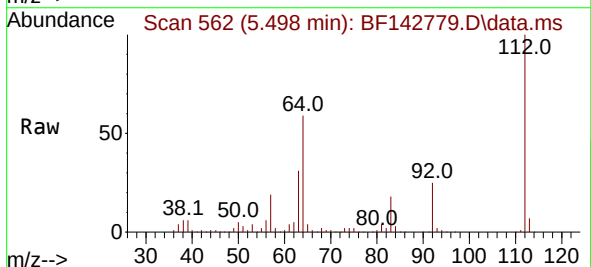
Instrument :
BNA_F
ClientSampleId :
TP-9

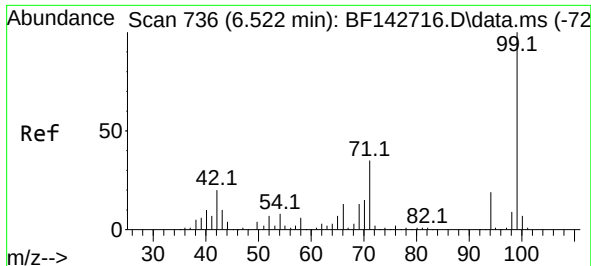
Tgt Ion:152 Resp: 73174
Ion Ratio Lower Upper
152 100
150 158.4 126.9 190.3
115 57.6 47.0 70.6



#5
2-Fluorophenol
Concen: 59.294 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.006 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

Tgt Ion:112 Resp: 254751
Ion Ratio Lower Upper
112 100
64 58.5 47.4 71.2
63 30.7 25.4 38.0

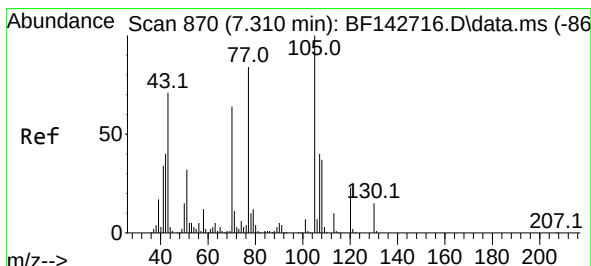
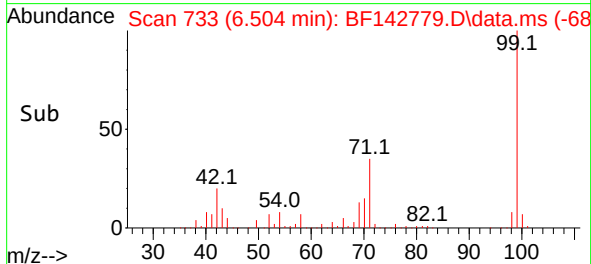
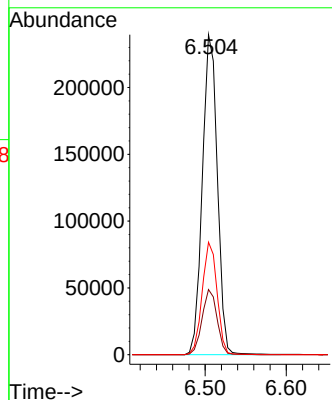
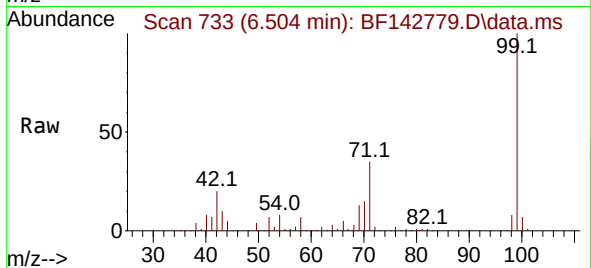




#7
Phenol-d6
Concen: 60.697 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

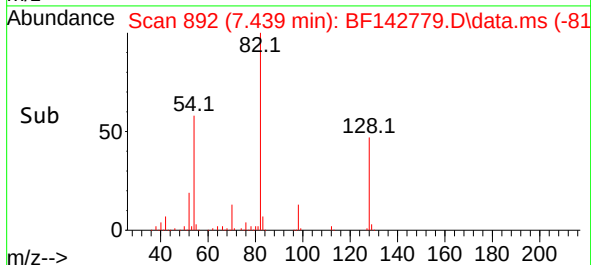
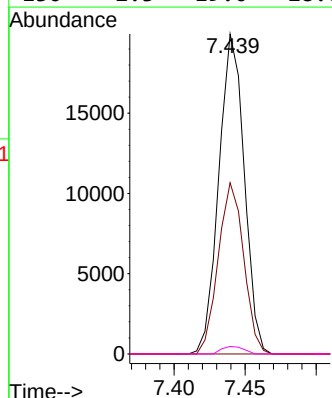
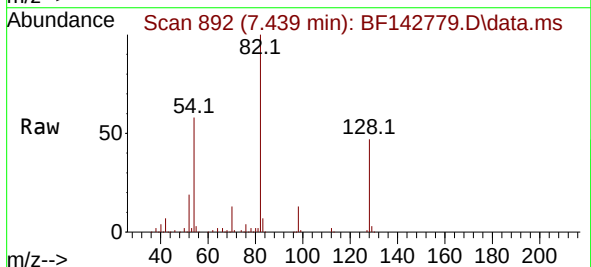
Instrument :
BNA_F
ClientSampleId :
TP-9

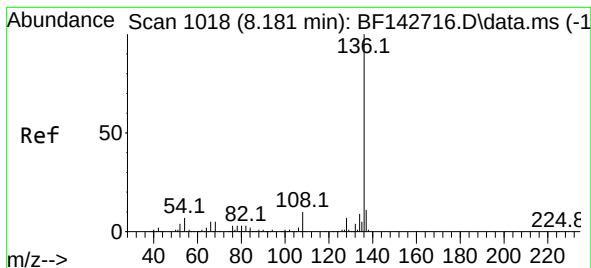
Tgt Ion: 99 Resp: 306900
Ion Ratio Lower Upper
99 100
42 20.3 15.9 23.9
71 35.2 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 7.698 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.129 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

Tgt Ion: 70 Resp: 24779
Ion Ratio Lower Upper
70 100
42 53.5 50.2 75.4
101 0.0 8.3 12.5#
130 2.3 19.0 28.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF142779.D

Acq: 18 Jun 2025 15:18

Instrument :

BNA_F

ClientSampleId :

TP-9

Tgt Ion:136 Resp: 280815

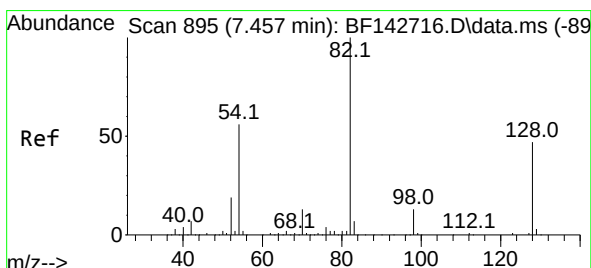
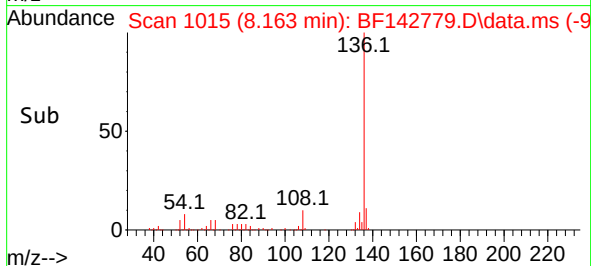
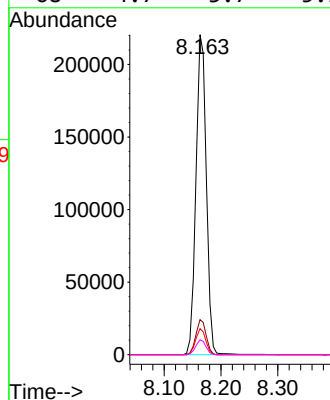
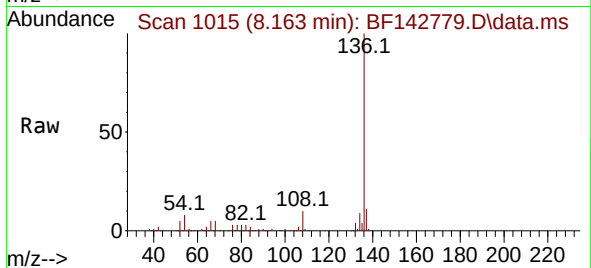
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.1 5.9 8.9

68 4.7 3.7 5.5



#23

Nitrobenzene-d5

Concen: 36.669 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.018 min

Lab File: BF142779.D

Acq: 18 Jun 2025 15:18

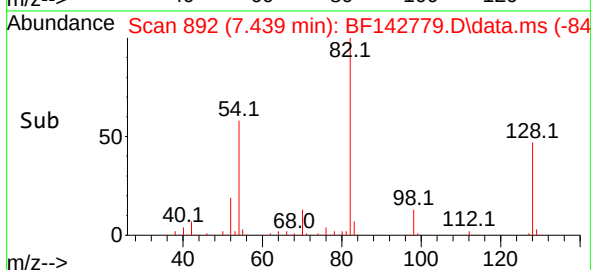
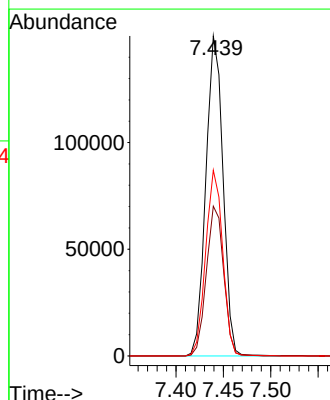
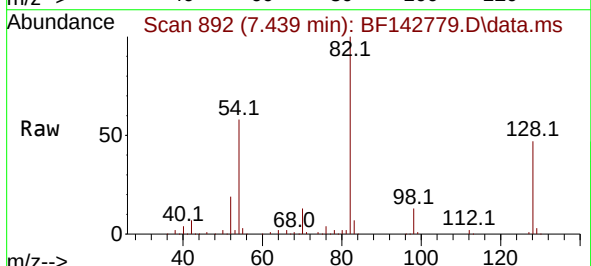
Tgt Ion: 82 Resp: 188155

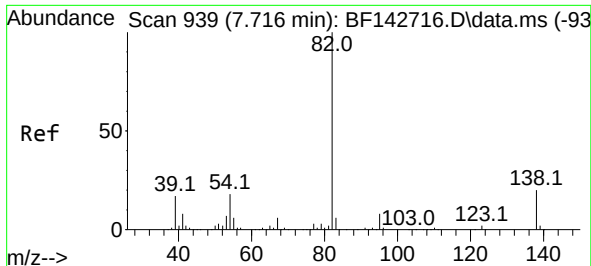
Ion Ratio Lower Upper

82 100

128 46.8 37.8 56.8

54 58.0 44.9 67.3

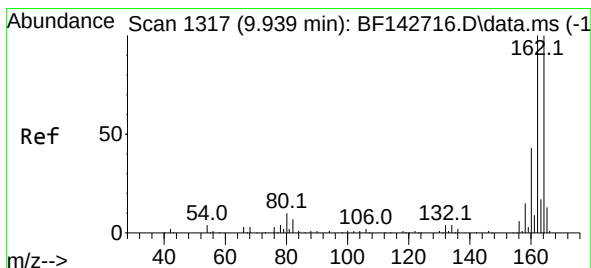
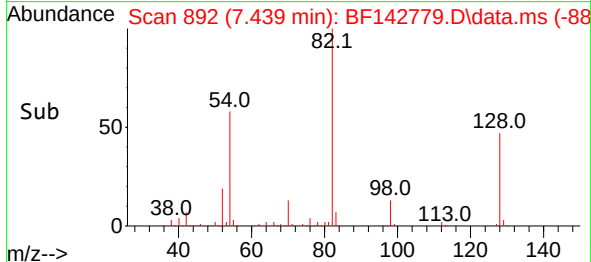
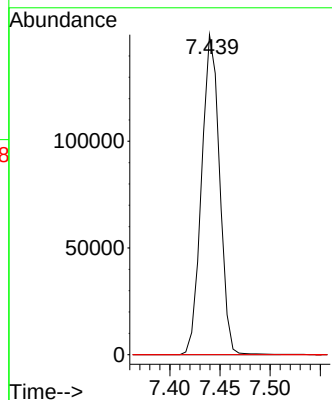
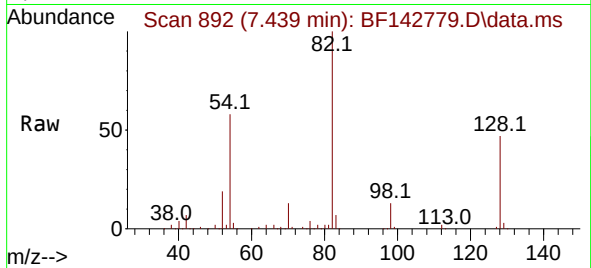




#25
Isophorone
Concen: 21.657 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

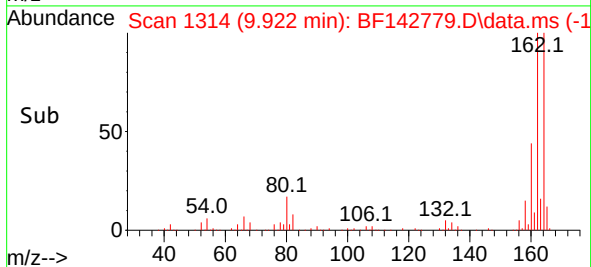
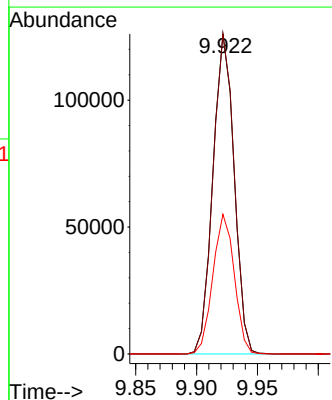
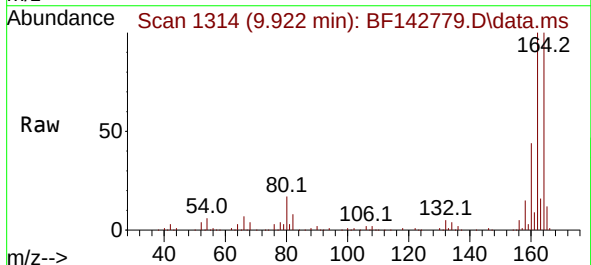
Instrument :
BNA_F
ClientSampleId :
TP-9

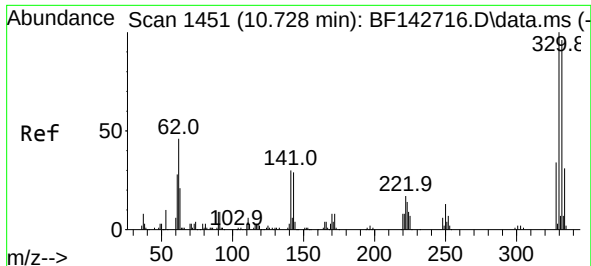
Tgt Ion: 82 Resp: 188152
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

Tgt Ion:164 Resp: 152884
Ion Ratio Lower Upper
164 100
162 100.0 79.9 119.9
160 43.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 56.297 ng

RT: 10.710 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF142779.D

Acq: 18 Jun 2025 15:18

Instrument :

BNA_F

ClientSampleId :

TP-9

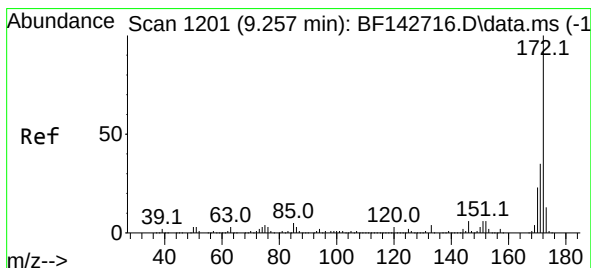
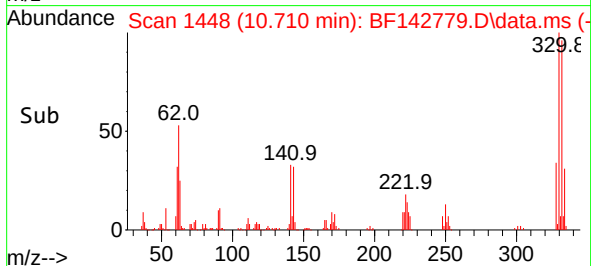
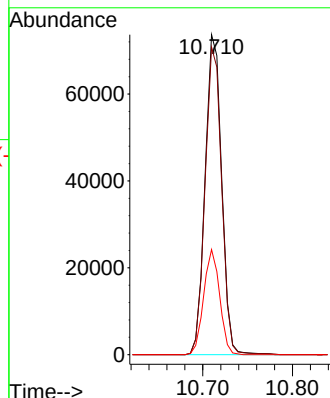
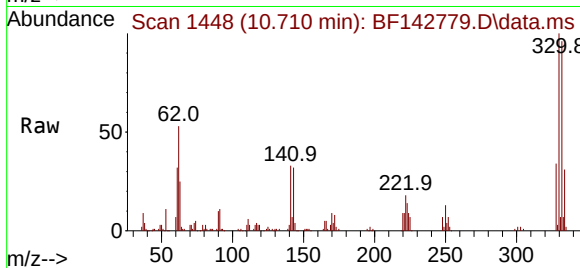
Tgt Ion:330 Resp: 94331

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

141 31.7 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 37.799 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF142779.D

Acq: 18 Jun 2025 15:18

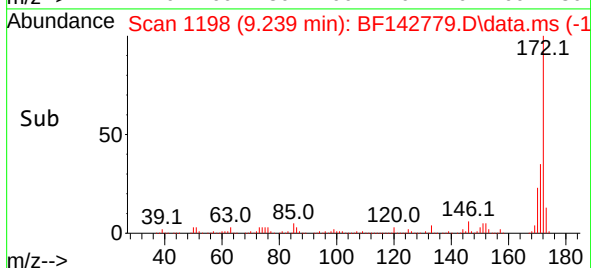
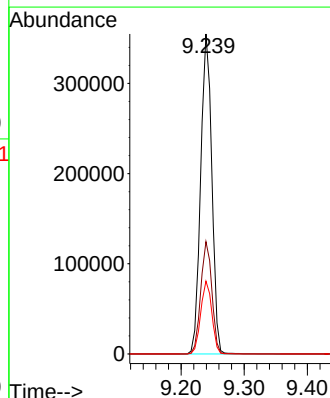
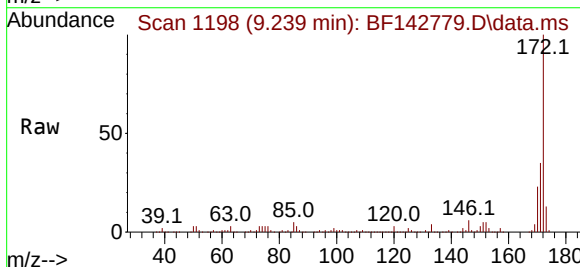
Tgt Ion:172 Resp: 434974

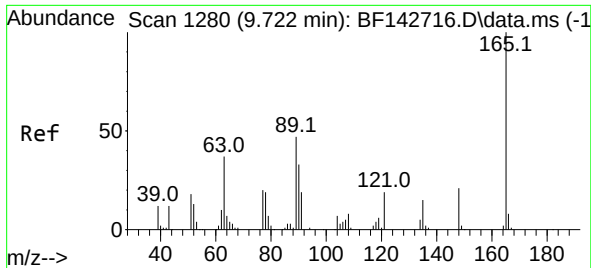
Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 22.8 18.6 27.8

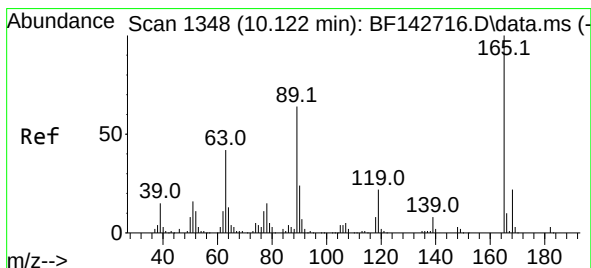
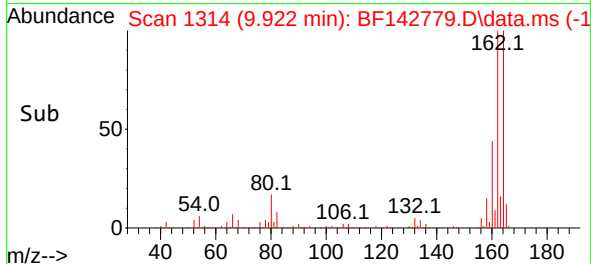
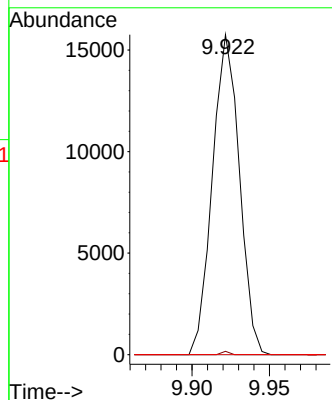
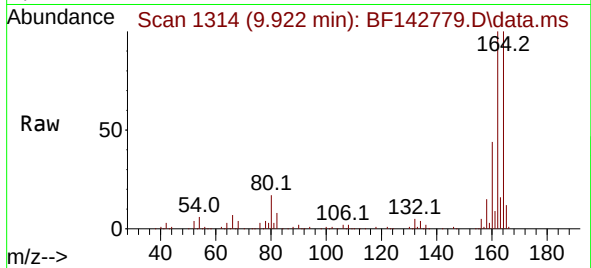




#51
2,6-Dinitrotoluene
Concen: 8.640 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

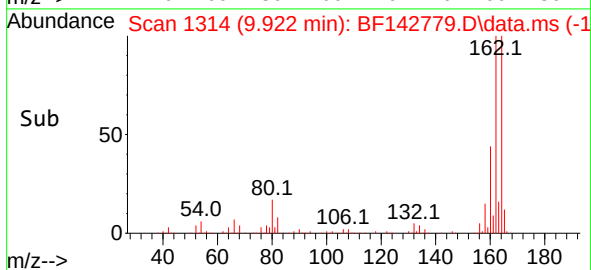
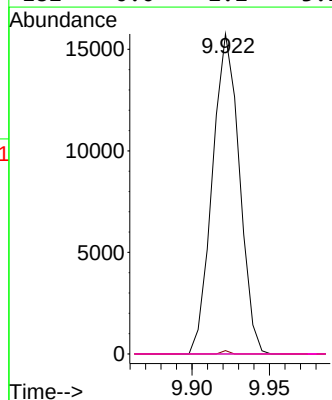
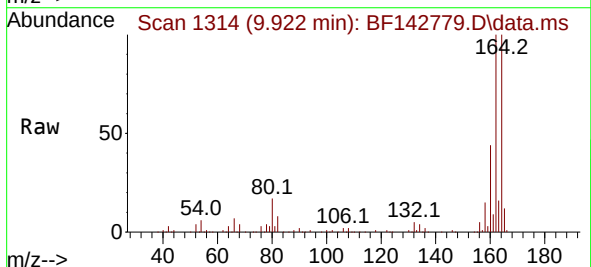
Instrument :
BNA_F
ClientSampleId :
TP-9

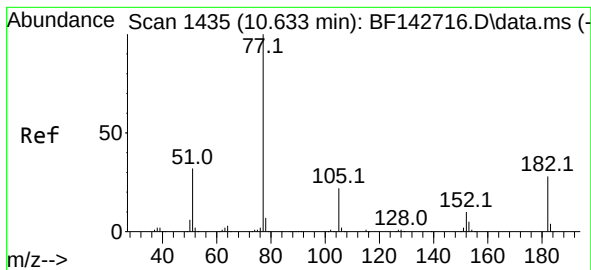
Tgt Ion:165 Resp: 19064
Ion Ratio Lower Upper
165 100
63 1.0 40.6 60.8#
89 0.0 37.6 56.4#



#57
2,4-Dinitrotoluene
Concen: 6.535 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.200 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

Tgt Ion:165 Resp: 19064
Ion Ratio Lower Upper
165 100
63 1.0 34.1 51.1#
89 0.0 50.8 76.2#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.272 ng

RT: 10.633 min Scan# 1435

Delta R.T. -0.000 min

Lab File: BF142779.D

Acq: 18 Jun 2025 15:18

Instrument :

BNA_F

ClientSampleId :

TP-9

Tgt Ion: 77 Resp: 20087

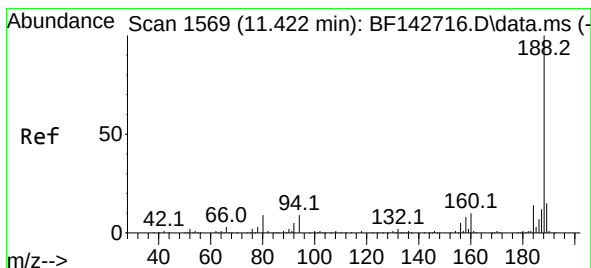
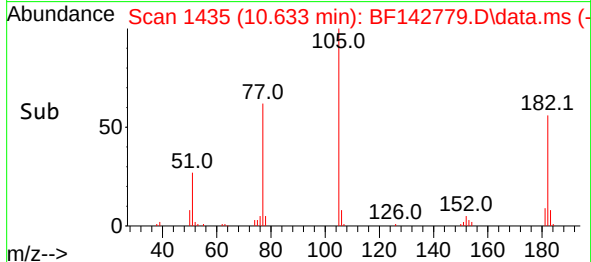
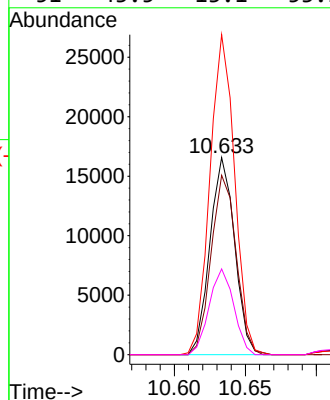
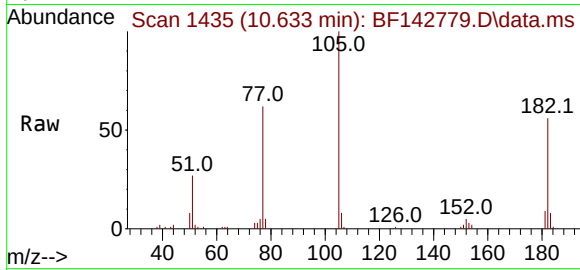
Ion Ratio Lower Upper

77 100

182 91.0 7.8 47.8#

105 162.3 1.9 41.9#

51 43.5 13.1 53.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.012 min

Lab File: BF142779.D

Acq: 18 Jun 2025 15:18

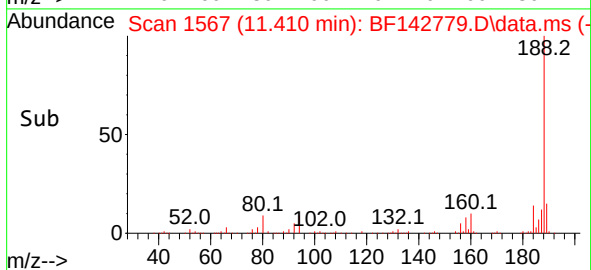
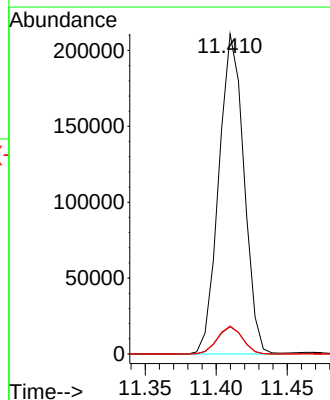
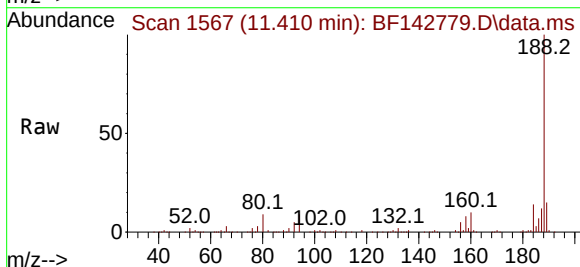
Tgt Ion:188 Resp: 259372

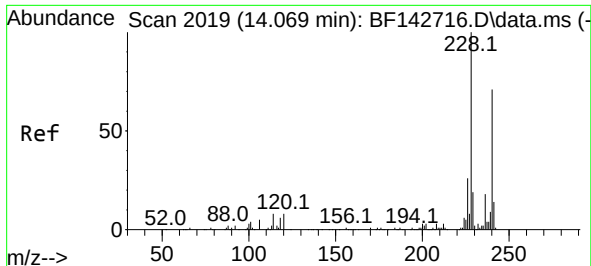
Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 8.8 7.1 10.7

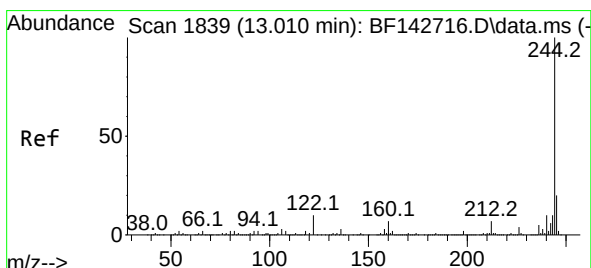
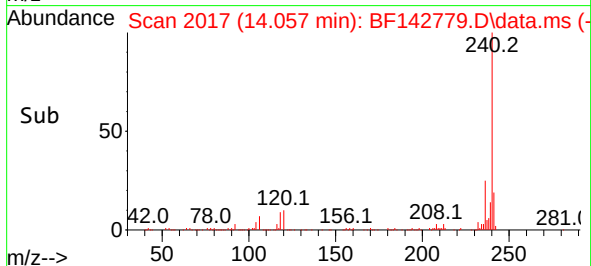
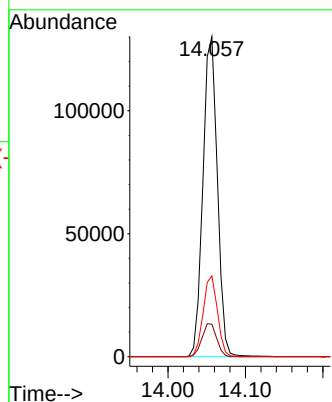
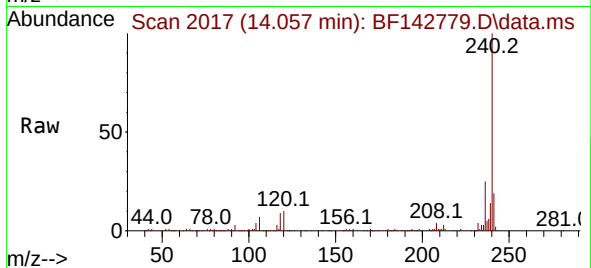




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

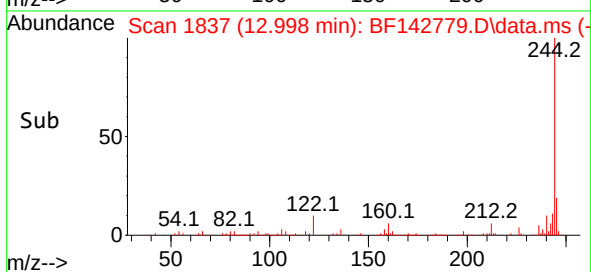
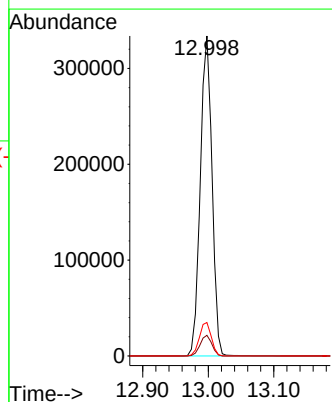
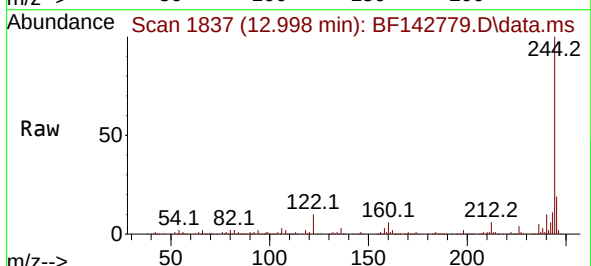
Instrument :
BNA_F
ClientSampleId :
TP-9

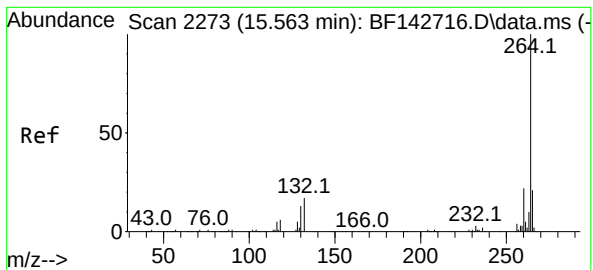
Tgt Ion:240 Resp: 168411
Ion Ratio Lower Upper
240 100
120 10.1 8.5 12.7
236 25.2 20.1 30.1



#79
Terphenyl-d14
Concen: 33.933 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

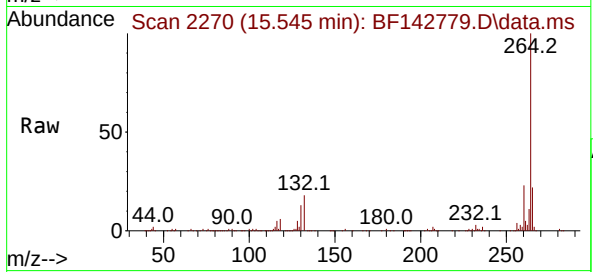
Tgt Ion:244 Resp: 416088
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 10.4 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF142779.D
Acq: 18 Jun 2025 15:18

Instrument :
BNA_F
ClientSampleId :
TP-9



Tgt Ion:264 Resp: 164643
Ion Ratio Lower Upper
264 100
260 23.4 17.8 26.6
265 21.7 16.6 25.0

