

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061825\
 Data File : BF142773.D
 Acq On : 18 Jun 2025 12:17
 Operator : RC/JU
 Sample : PB168497TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168497TB

Quant Time: Jun 18 12:45:56 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)

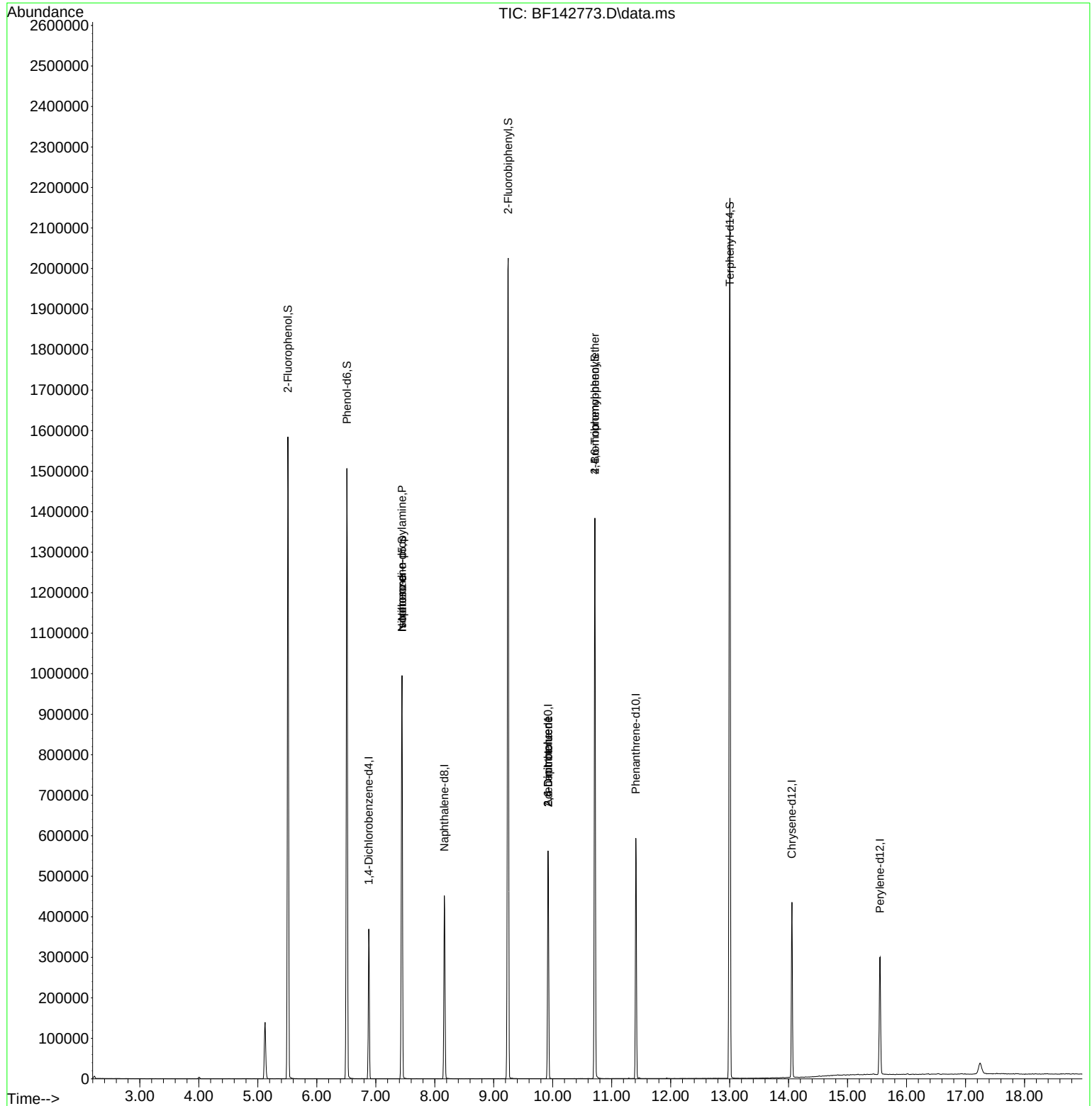
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	80733	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	313029	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	174700	20.000	ng	-0.02
64) Phenanthrene-d10	11.410	188	314127	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	209275	20.000	ng	-0.01
86) Perylene-d12	15.551	264	179115	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	615279	129.799	ng	0.00
7) Phenol-d6	6.510	99	736138	131.958	ng	-0.01
23) Nitrobenzene-d5	7.445	82	459522	80.340	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	244552	127.724	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	1012647	77.010	ng	-0.01
79) Terphenyl-d14	13.004	244	1119061	73.442	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	62822	17.689	ng	# 76
25) Isophorone	7.445	82	457610	47.252	ng	# 63
51) 2,6-Dinitrotoluene	9.922	165	22152	8.786	ng	# 29
57) 2,4-Dinitrotoluene	9.922	165	22152	6.645	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	15914	4.292	ng	# 1

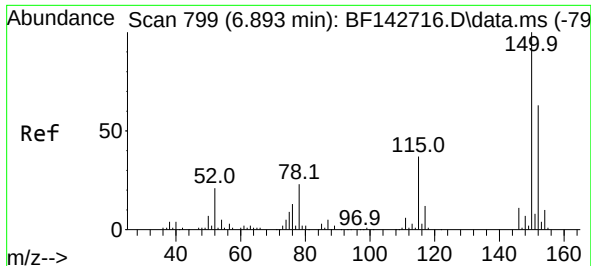
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 12:45:56 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

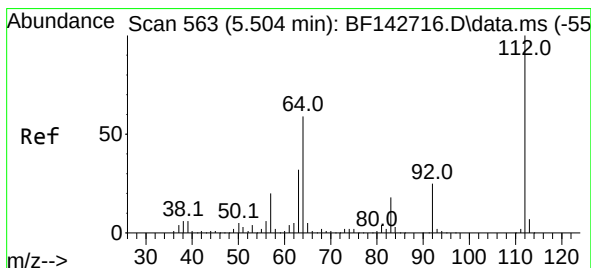
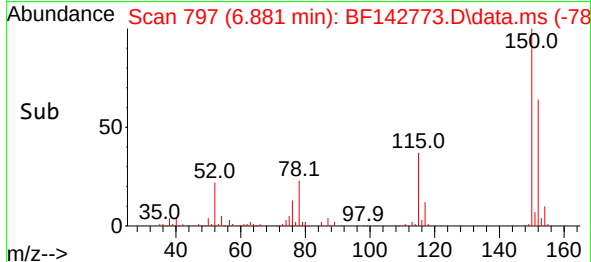
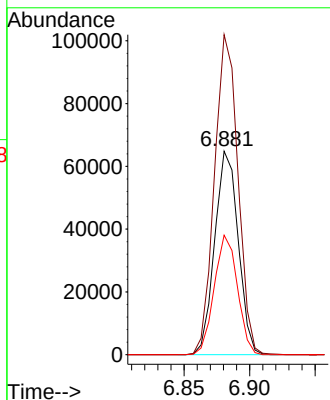
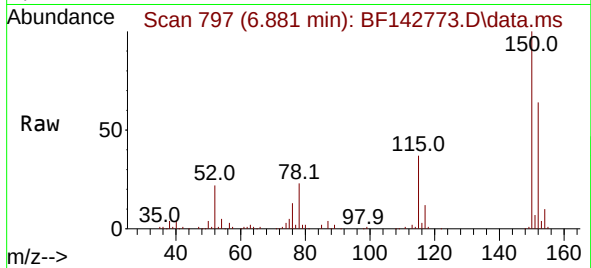




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

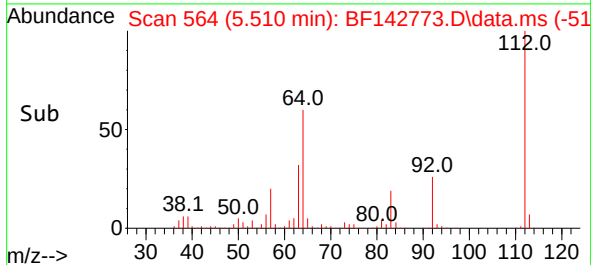
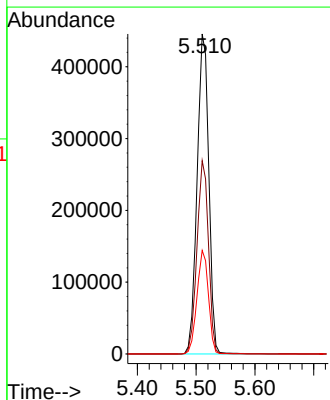
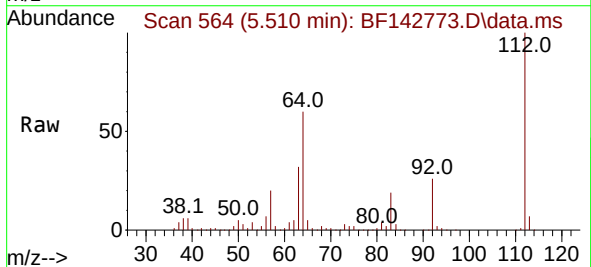
Instrument :
BNA_F
ClientSampleId :
PB168497TB

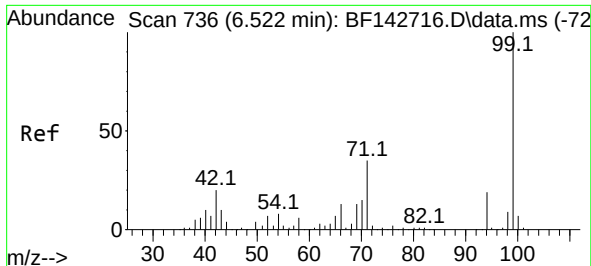
Tgt Ion:152 Resp: 80733
Ion Ratio Lower Upper
152 100
150 157.2 126.9 190.3
115 58.7 47.0 70.6



#5
2-Fluorophenol
Concen: 129.799 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

Tgt Ion:112 Resp: 615279
Ion Ratio Lower Upper
112 100
64 60.4 47.4 71.2
63 32.3 25.4 38.0

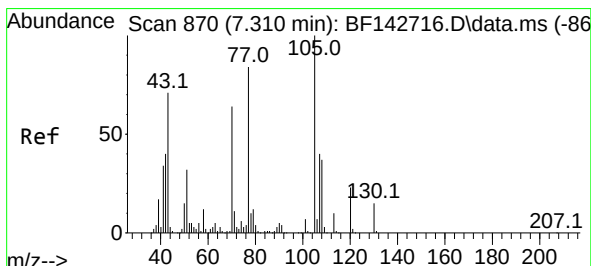
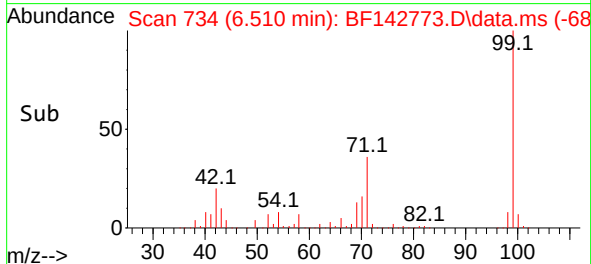
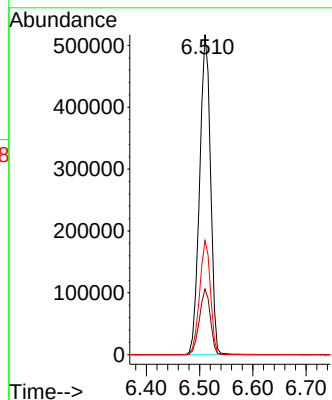
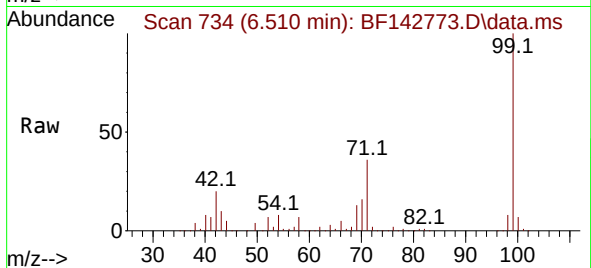




#7
Phenol-d6
Concen: 131.958 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

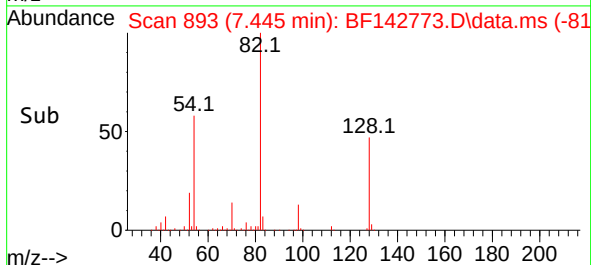
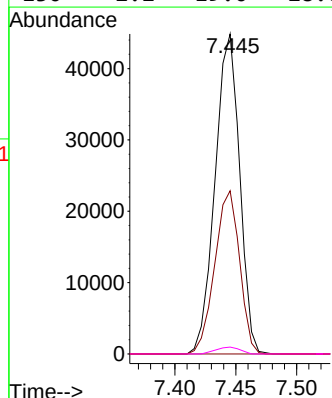
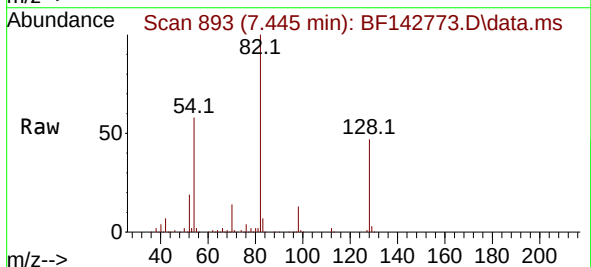
Instrument :
BNA_F
ClientSampleId :
PB168497TB

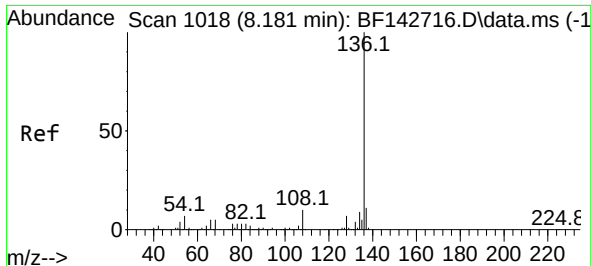
Tgt Ion: 99 Resp: 736138
Ion Ratio Lower Upper
99 100
42 20.5 15.9 23.9
71 35.7 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.689 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

Tgt Ion: 70 Resp: 62822
Ion Ratio Lower Upper
70 100
42 51.0 50.2 75.4
101 0.0 8.3 12.5#
130 2.2 19.0 28.6#

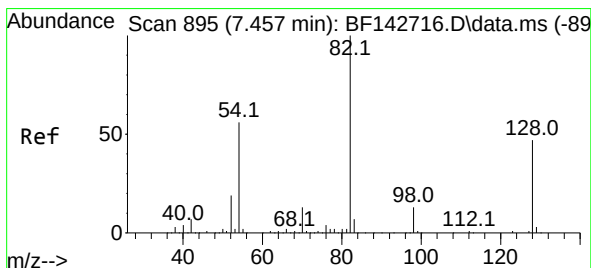
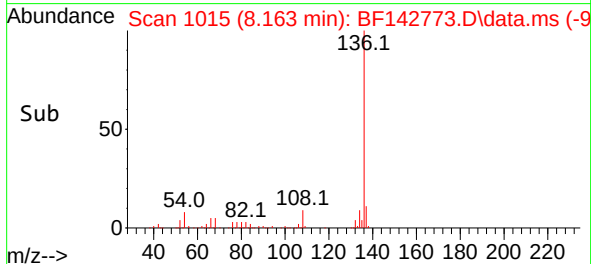
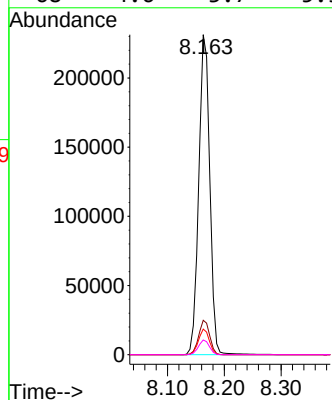
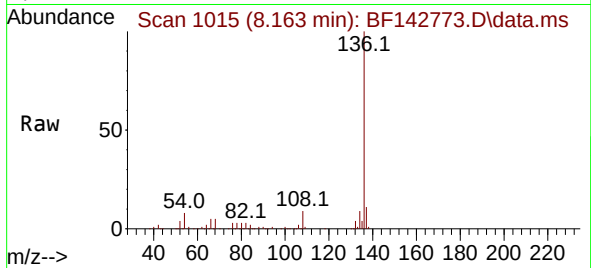




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

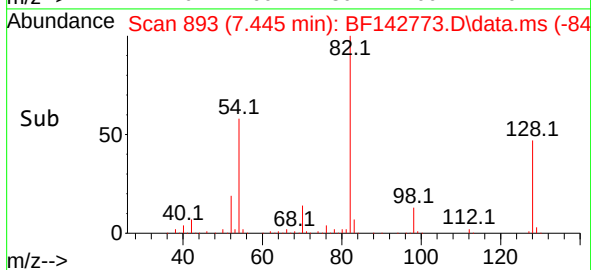
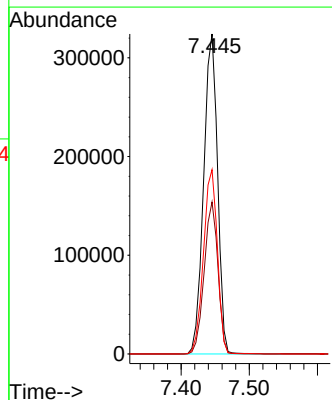
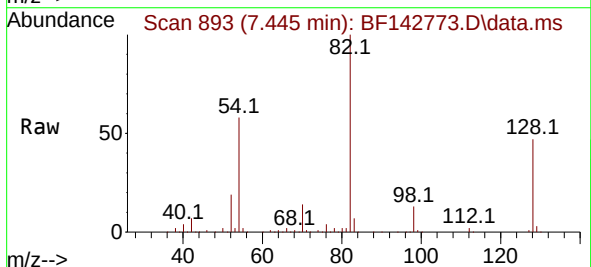
Instrument :
BNA_F
ClientSampleId :
PB168497TB

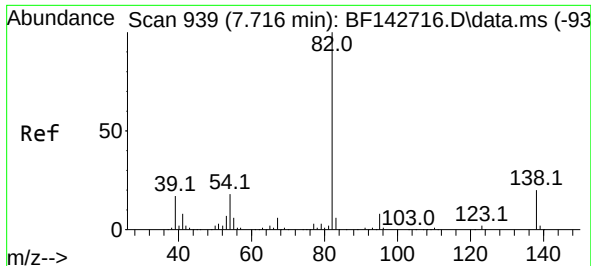
Tgt Ion:136 Resp: 313029
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.0 5.9 8.9
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 80.340 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

Tgt Ion: 82 Resp: 459522
Ion Ratio Lower Upper
82 100
128 47.5 37.8 56.8
54 57.6 44.9 67.3

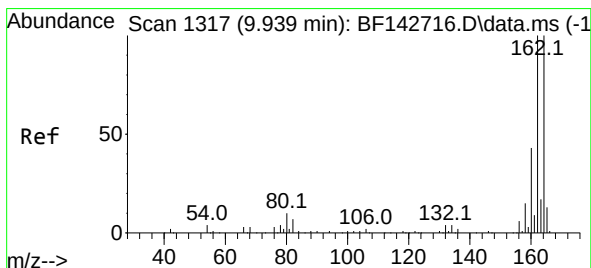
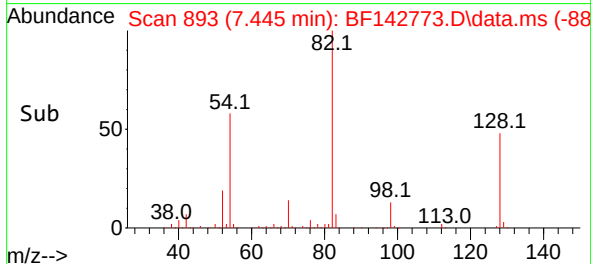
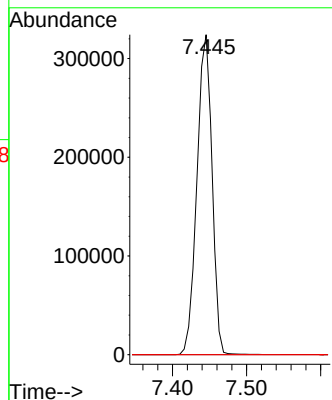
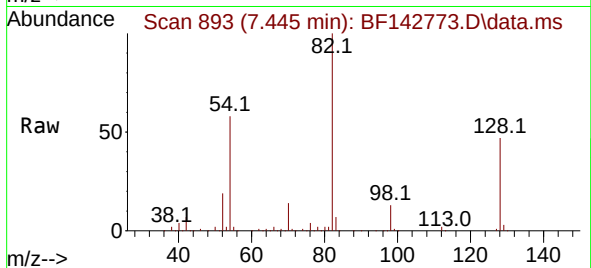




#25
Isophorone
Concen: 47.252 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

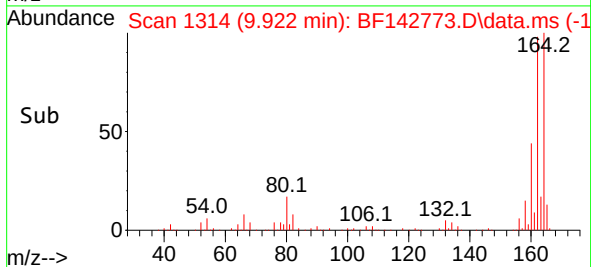
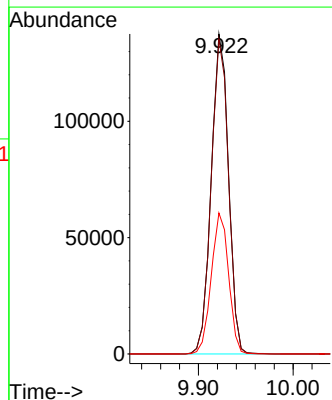
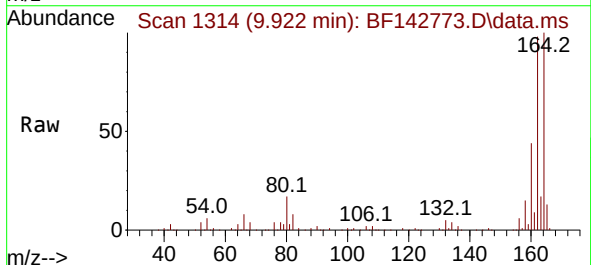
Instrument :
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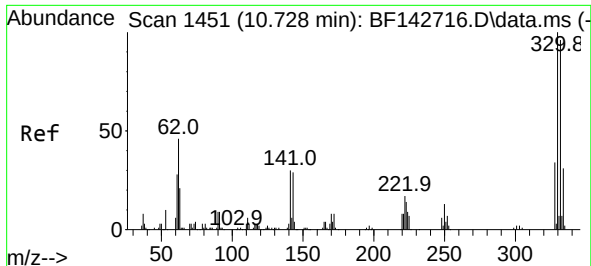
Tgt Ion: 82 Resp: 457610
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

Tgt Ion: 164 Resp: 174700
Ion Ratio Lower Upper
164 100
162 98.4 79.9 119.9
160 44.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 127.724 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF142773.D

Acq: 18 Jun 2025 12:17

Instrument :

BNA_F

ClientSampleId :

PB168497TB

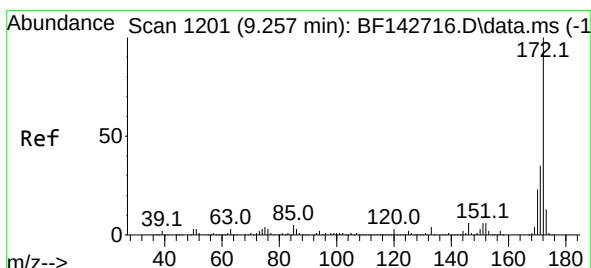
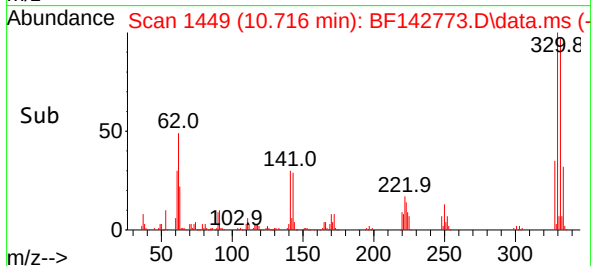
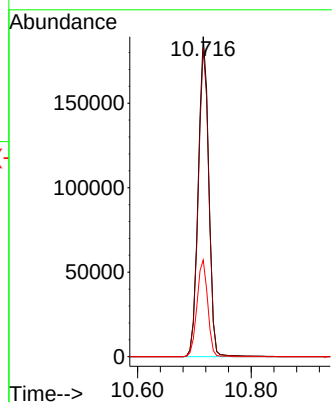
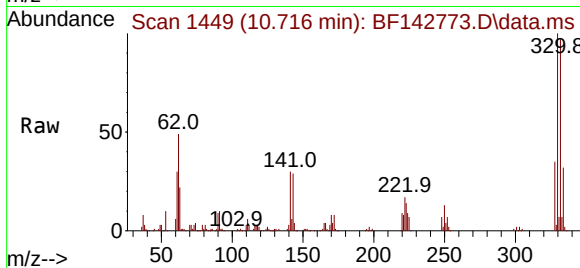
Tgt Ion:330 Resp: 244552

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

141 30.6 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 77.010 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142773.D

Acq: 18 Jun 2025 12:17

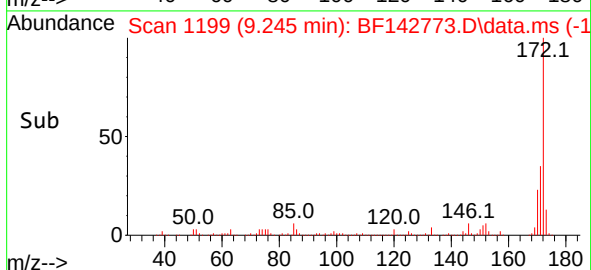
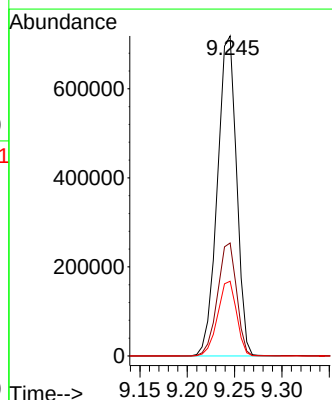
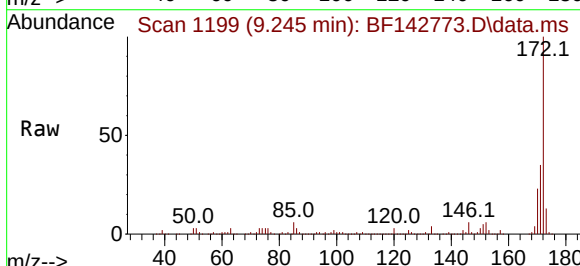
Tgt Ion:172 Resp: 1012647

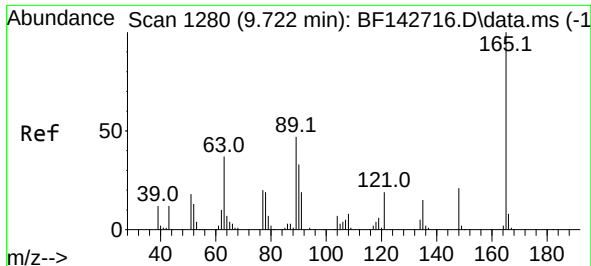
Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.4 18.6 27.8

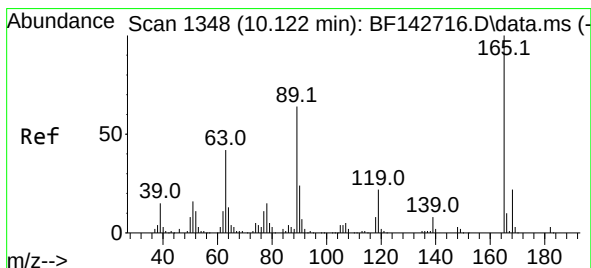
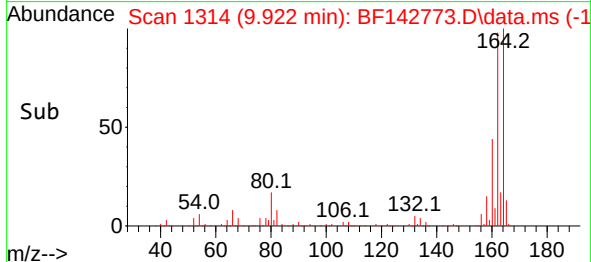
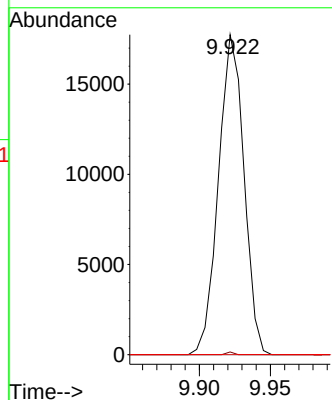
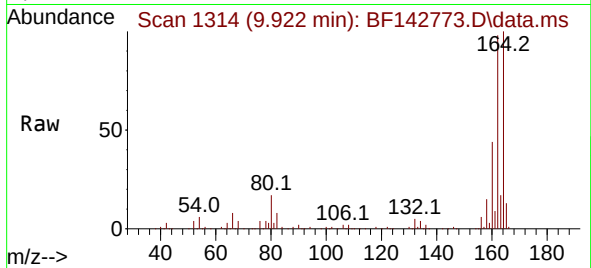




#51
2,6-Dinitrotoluene
Concen: 8.786 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

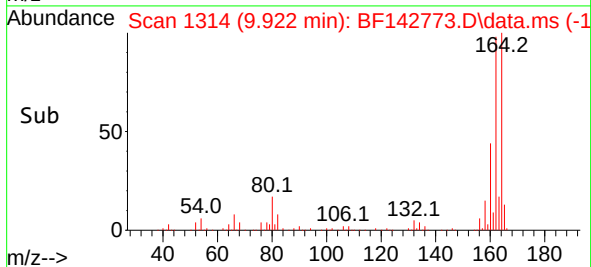
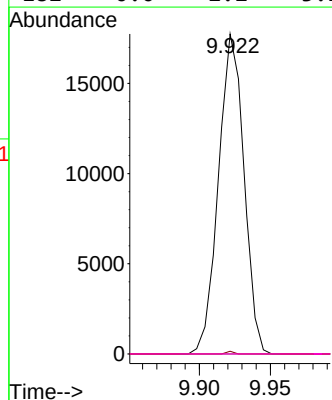
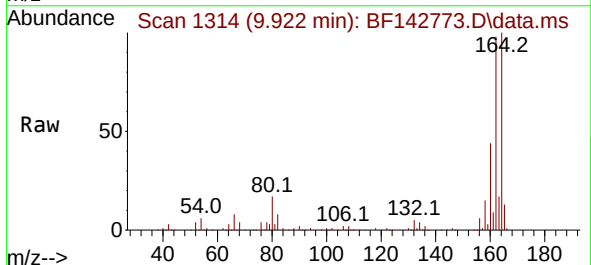
Instrument :
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ClientSampleId :
PB168497TB

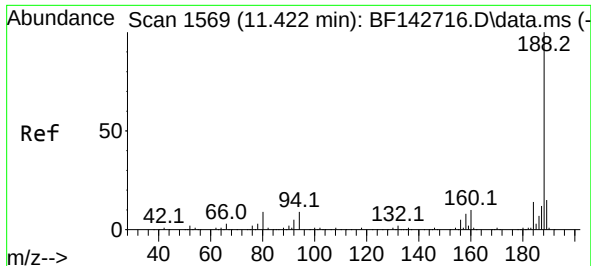
Tgt Ion:165 Resp: 22152
Ion Ratio Lower Upper
165 100
63 0.9 40.6 60.8#
89 0.0 37.6 56.4#



#57
2,4-Dinitrotoluene
Concen: 6.645 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.200 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

Tgt Ion:165 Resp: 22152
Ion Ratio Lower Upper
165 100
63 0.9 34.1 51.1#
89 0.0 50.8 76.2#
182 0.0 2.2 3.2#

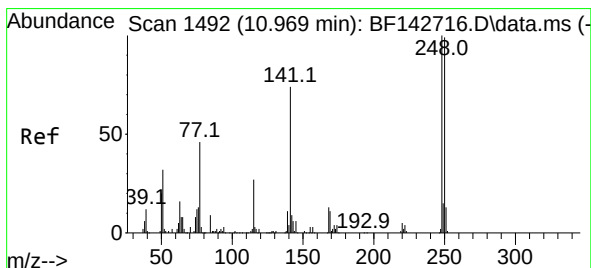
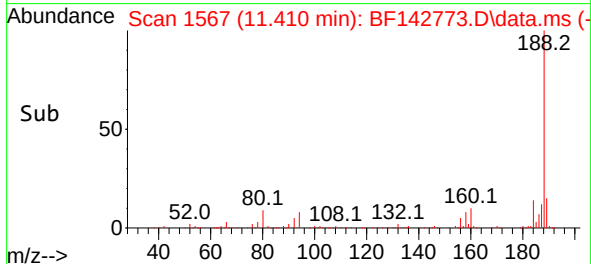
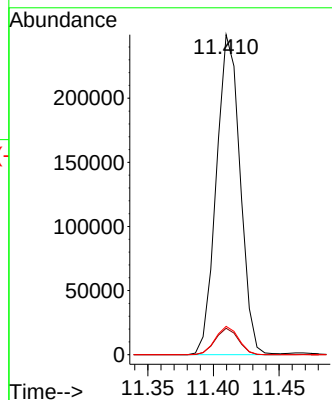
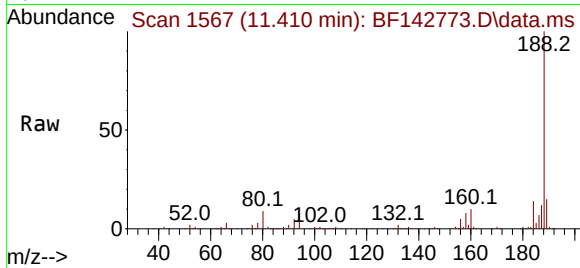




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

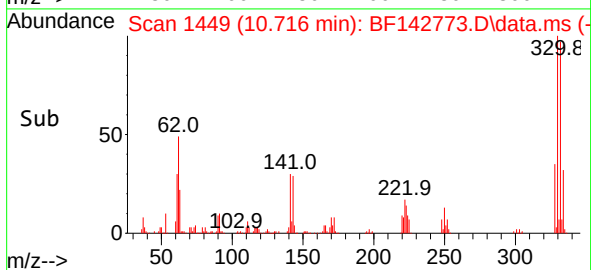
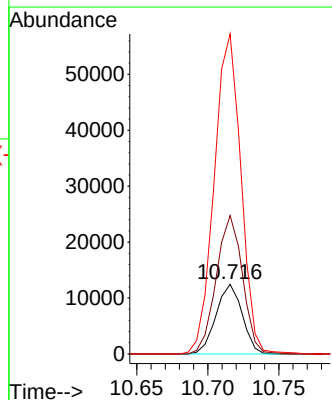
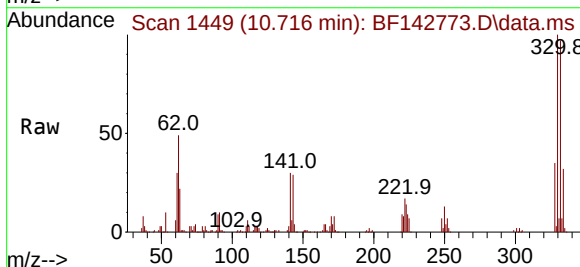
Instrument :
BNA_F
ClientSampleId :
PB168497TB

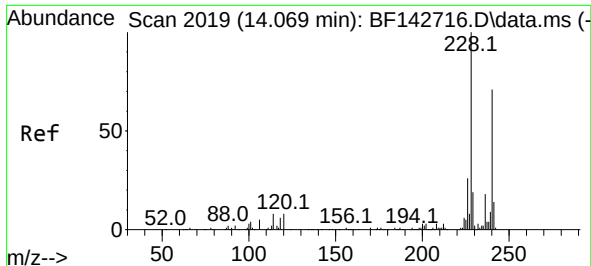
Tgt Ion:188 Resp: 314127
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.9 7.1 10.7



#67
4-Bromophenyl-phenylether
Concen: 4.292 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.253 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

Tgt Ion:248 Resp: 15914
Ion Ratio Lower Upper
248 100
250 198.7 79.2 118.8#
141 459.6 59.3 88.9#

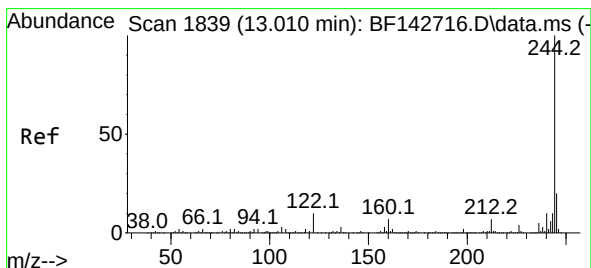
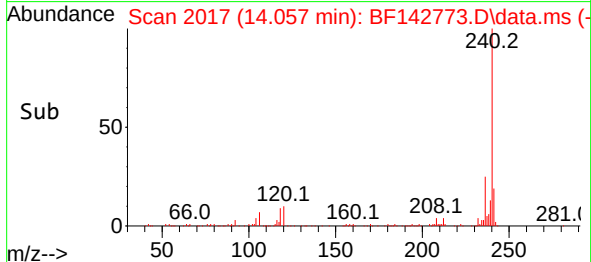
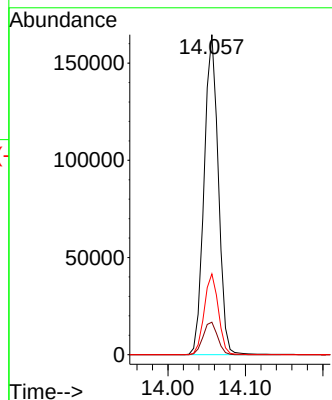
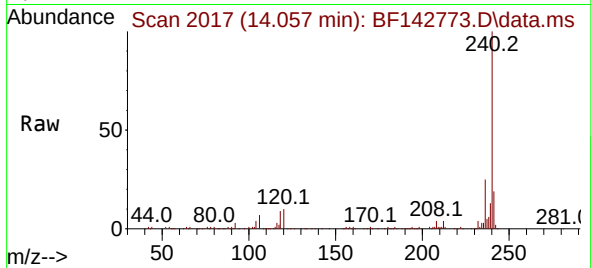




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

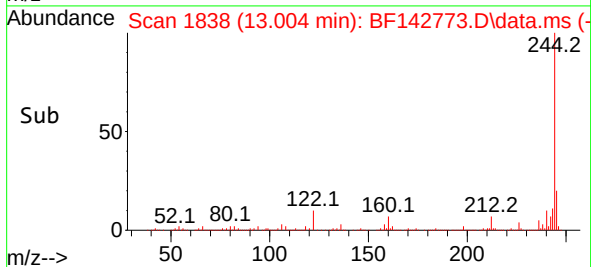
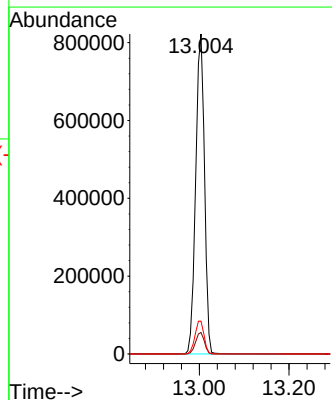
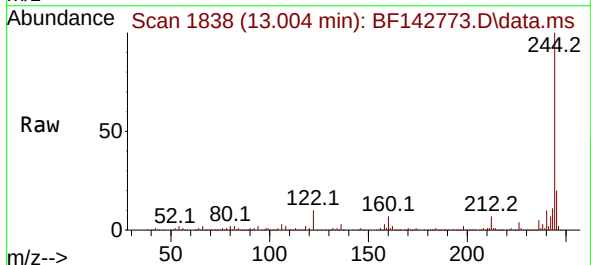
Instrument :
BNA_F
ClientSampleId :
PB168497TB

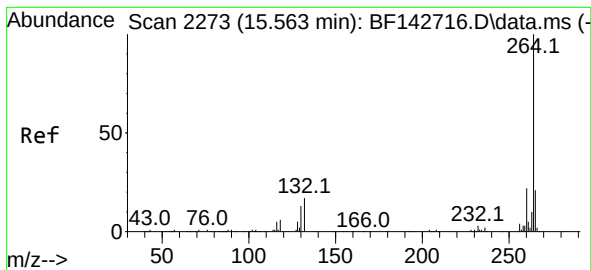
Tgt Ion:240 Resp: 209275
Ion Ratio Lower Upper
240 100
120 10.1 8.5 12.7
236 25.3 20.1 30.1



#79
Terphenyl-d14
Concen: 73.442 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142773.D
Acq: 18 Jun 2025 12:17

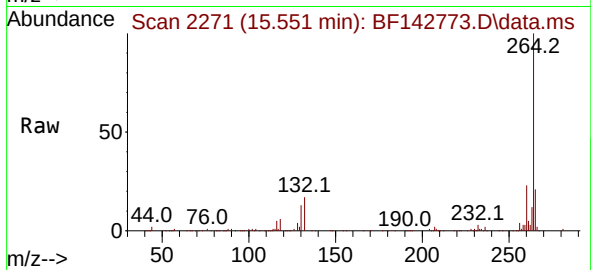
Tgt Ion:244 Resp: 1119061
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.2 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142773.D
 Acq: 18 Jun 2025 12:17

Instrument :
 BNA_F
 ClientSampleId :
 PB168497TB



Tgt Ion:264 Resp: 179115
 Ion Ratio Lower Upper
 264 100
 260 23.4 17.8 26.6
 265 21.5 16.6 25.0

