

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142517.D
 Acq On : 22 May 2025 18:29
 Operator : RC/JU
 Sample : Q2097-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251675

Quant Time: May 23 01:23:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

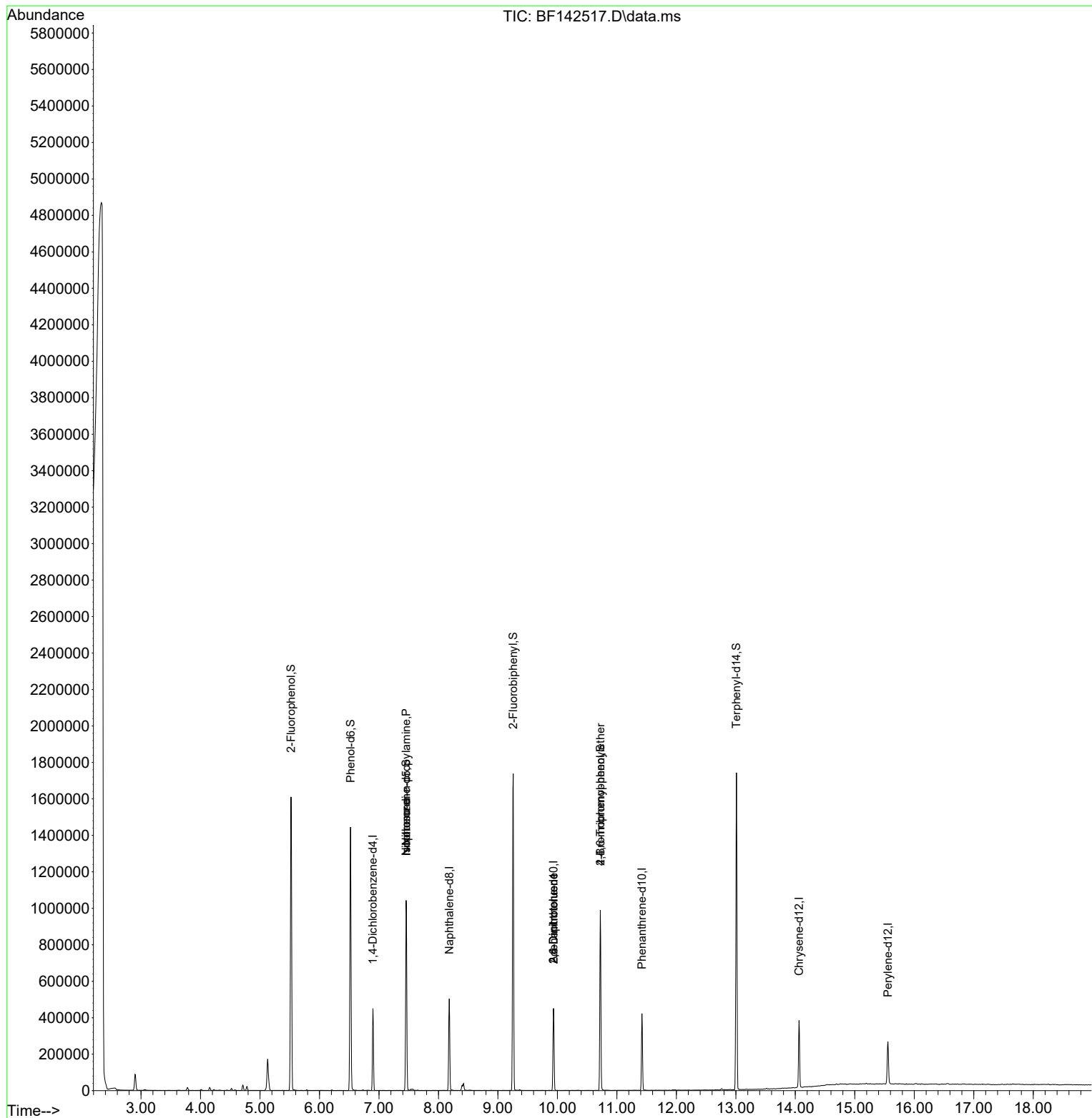
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	95020	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	317500	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	134877	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	217767	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	175807	20.000	ng	#-0.01
86) Perylene-d12	15.556	264	138839	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	613478	108.773	ng	0.00
7) Phenol-d6	6.522	99	668916	98.527	ng	-0.01
23) Nitrobenzene-d5	7.457	82	447082	76.784	ng	-0.02
42) 2,4,6-Tribromophenol	10.721	330	171467	114.543	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	786708	78.268	ng	-0.01
79) Terphenyl-d14	13.010	244	837737	65.117	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	60113	14.287	ng	# 77
25) Isophorone	7.457	82	432998	44.478	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	17312	9.013	ng	# 26
57) 2,4-Dinitrotoluene	9.933	165	17312	6.901	ng	# 27
67) 4-Bromophenyl-phenylether	10.721	248	10614	4.122	ng	# 1

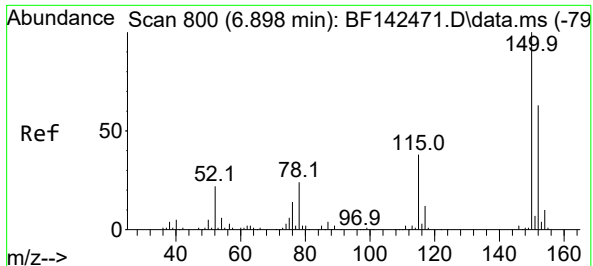
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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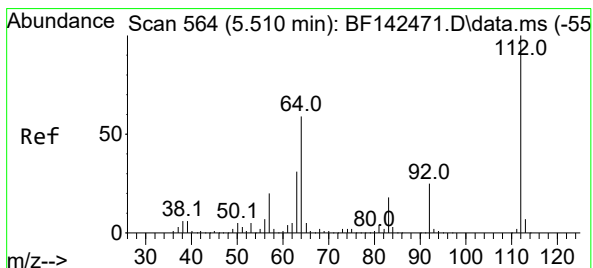
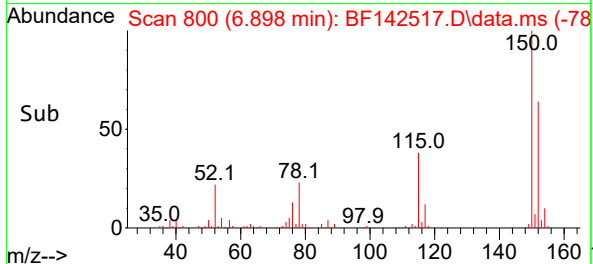
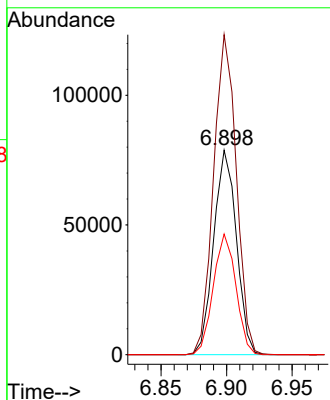
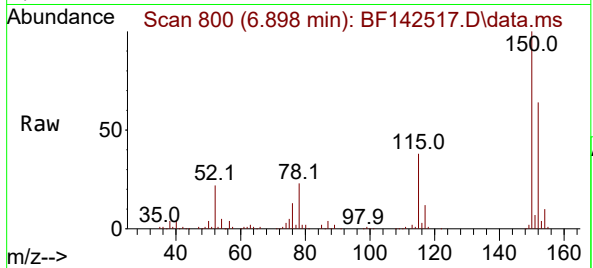




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142517.D
 Acq: 22 May 2025 18:29

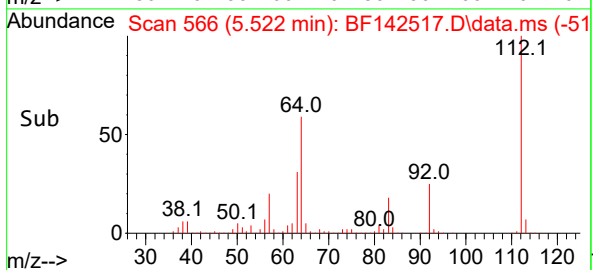
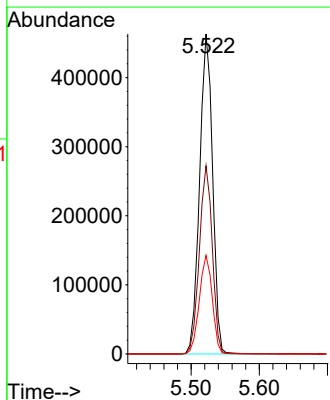
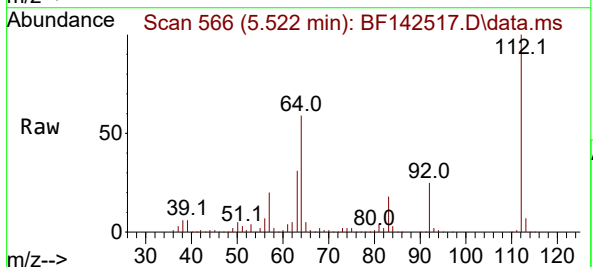
Instrument :
 BNA_F
 ClientSampleId :
 RBR251675

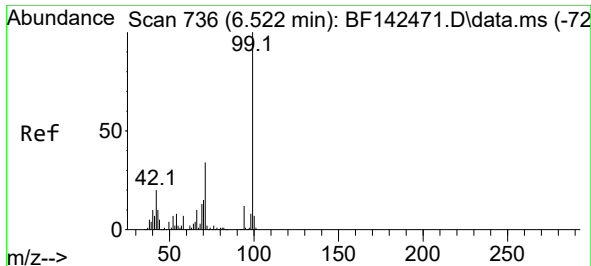
Tgt Ion:152 Resp: 95020
 Ion Ratio Lower Upper
 152 100
 150 156.5 128.2 192.4
 115 59.0 48.3 72.5



#5
 2-Fluorophenol
 Concen: 108.773 ng
 RT: 5.522 min Scan# 566
 Delta R.T. 0.006 min
 Lab File: BF142517.D
 Acq: 22 May 2025 18:29

Tgt Ion:112 Resp: 613478
 Ion Ratio Lower Upper
 112 100
 64 58.8 47.5 71.3
 63 30.8 24.9 37.3

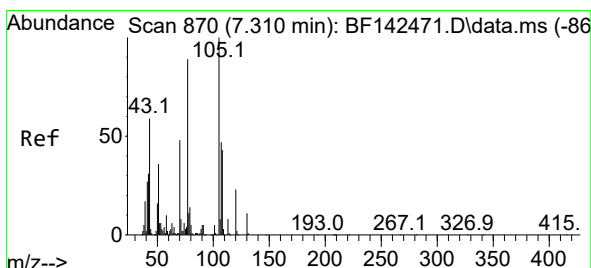
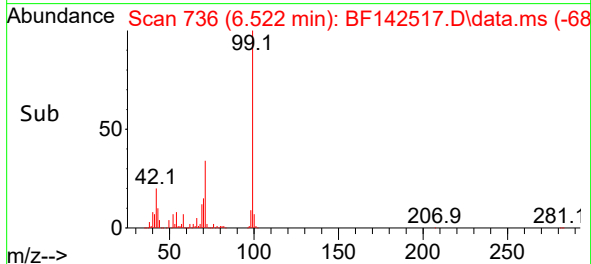
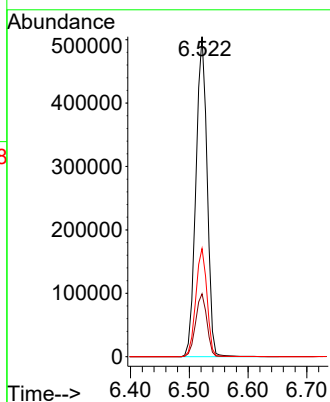
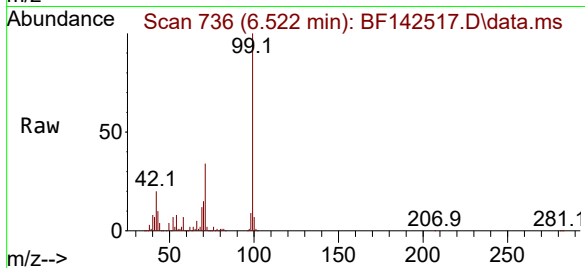




#7
Phenol-d6
Concen: 98.527 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

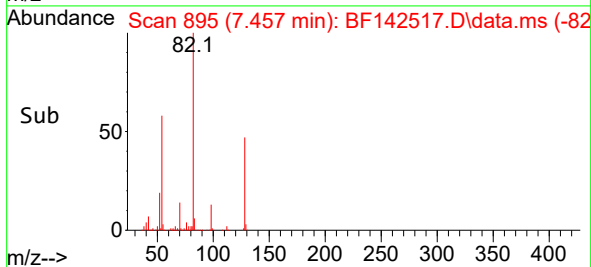
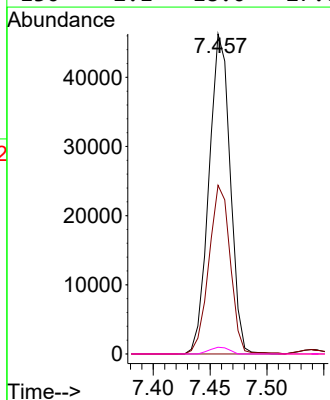
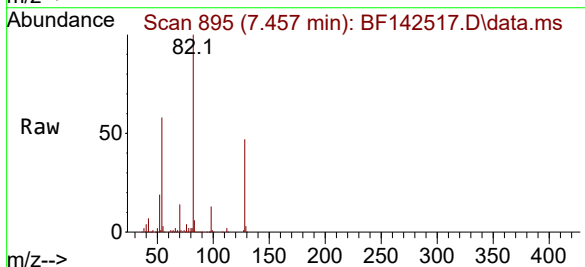
Instrument :
BNA_F
ClientSampleId :
RBR251675

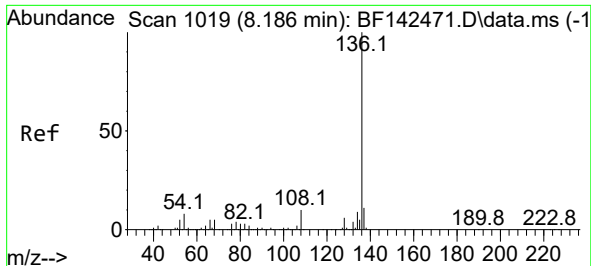
Tgt Ion: 99 Resp: 668916
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 33.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.287 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

Tgt Ion: 70 Resp: 60113
Ion Ratio Lower Upper
70 100
42 52.7 52.4 78.6
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#

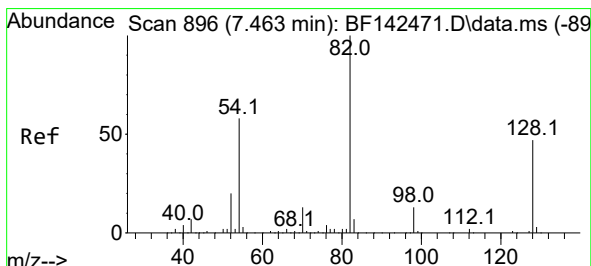
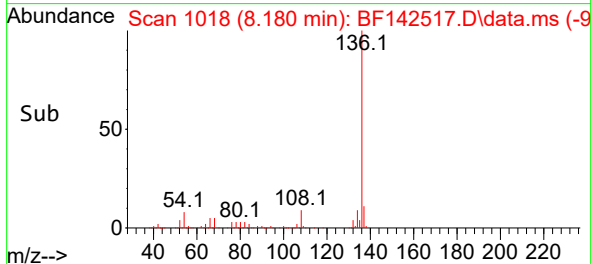
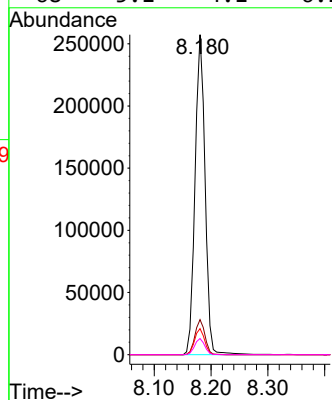
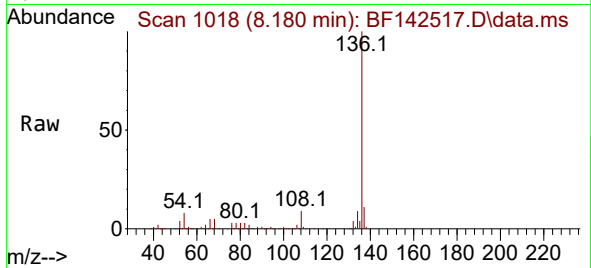




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

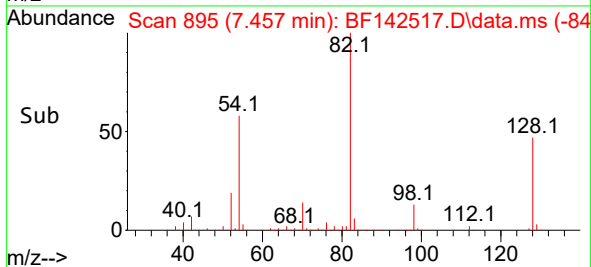
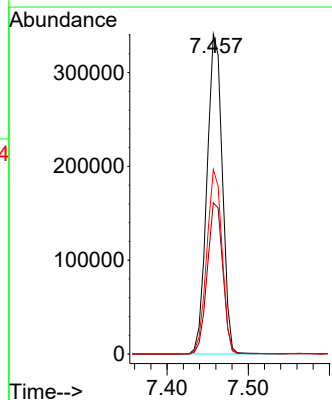
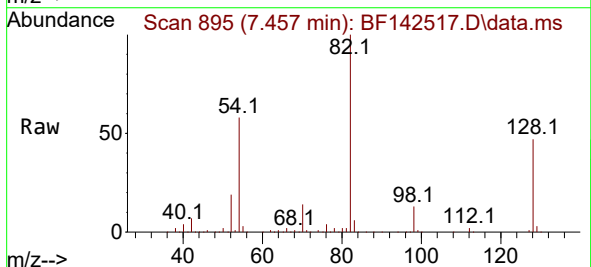
Instrument :
BNA_F
ClientSampleId :
RBR251675

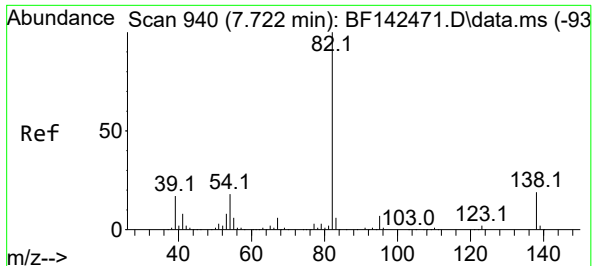
Tgt Ion:136 Resp: 317500
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.6 10.0
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 76.784 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

Tgt Ion: 82 Resp: 447082
Ion Ratio Lower Upper
82 100
128 47.3 37.4 56.2
54 57.6 46.6 70.0

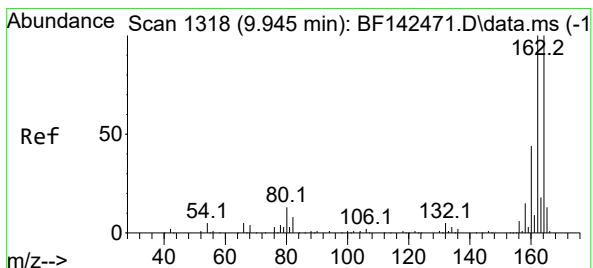
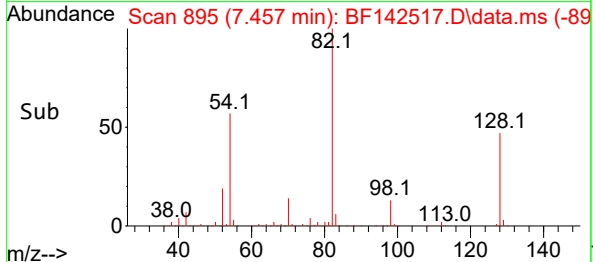
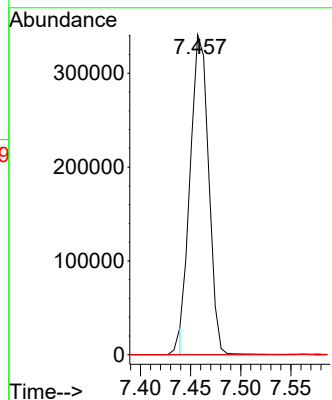
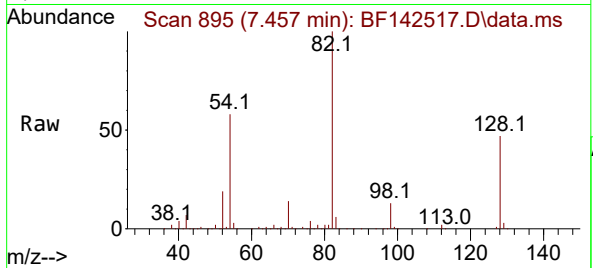




#25
Isophorone
Concen: 44.478 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

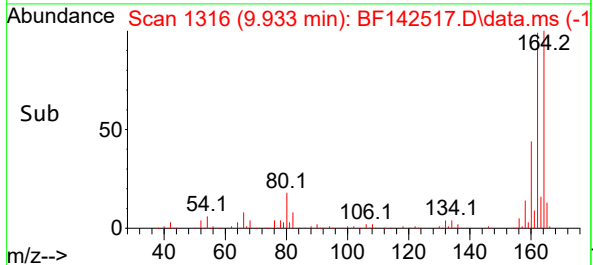
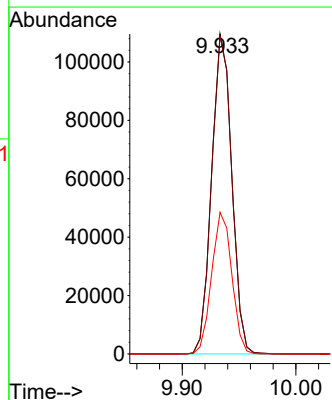
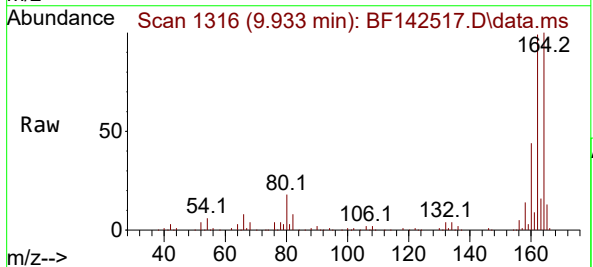
Instrument :
BNA_F
ClientSampleId :
RBR251675

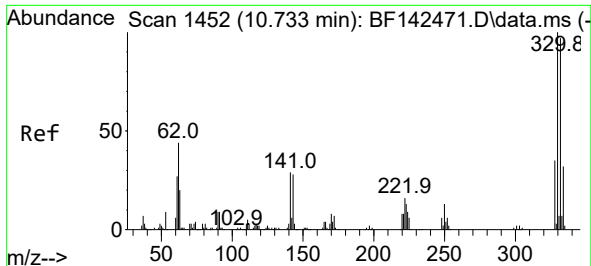
Tgt Ion: 82 Resp: 432998
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

Tgt Ion: 164 Resp: 134877
Ion Ratio Lower Upper
164 100
162 99.3 80.2 120.4
160 44.3 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 114.543 ng

RT: 10.721 min Scan# 1450

Delta R.T. -0.018 min

Lab File: BF142517.D

Acq: 22 May 2025 18:29

Instrument :

BNA_F

ClientSampleId :

RBR251675

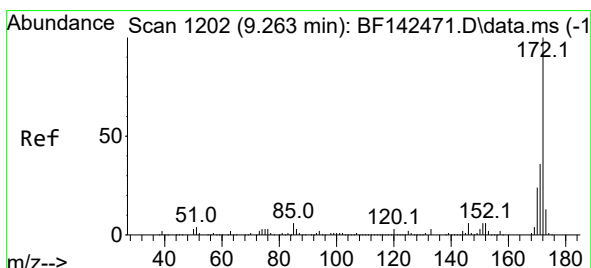
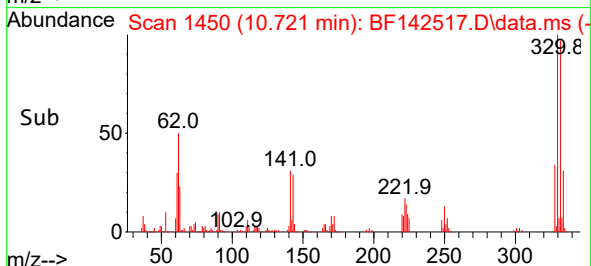
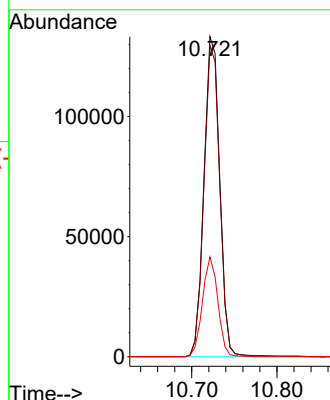
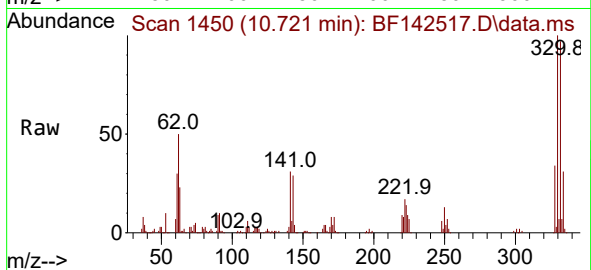
Tgt Ion:330 Resp: 171467

Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

141 30.3 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 78.268 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142517.D

Acq: 22 May 2025 18:29

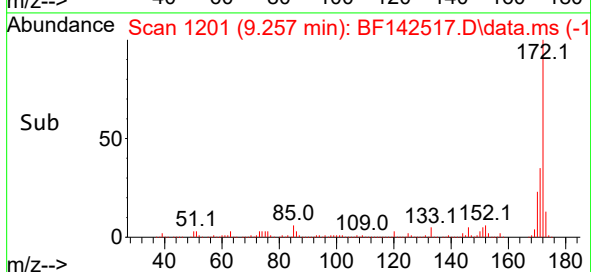
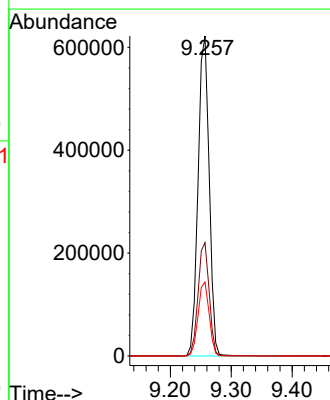
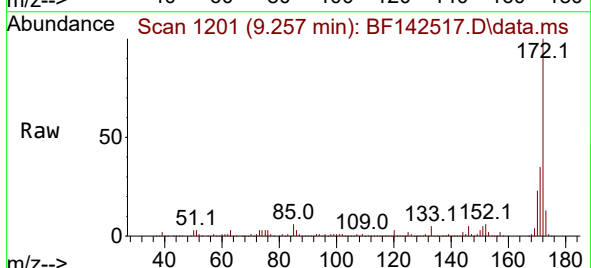
Tgt Ion:172 Resp: 786708

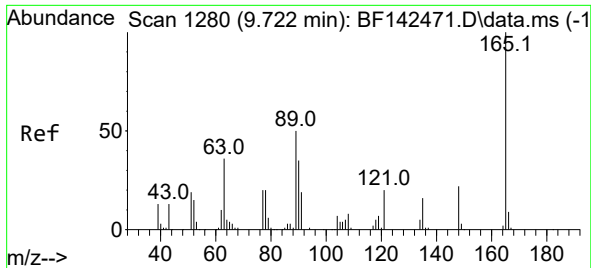
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.1 18.9 28.3

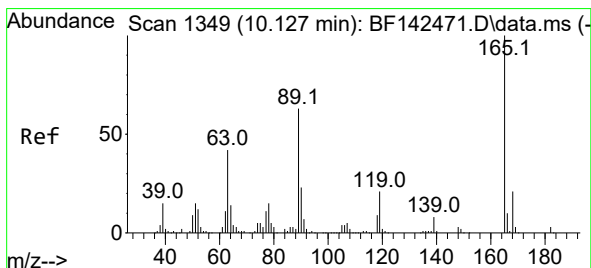
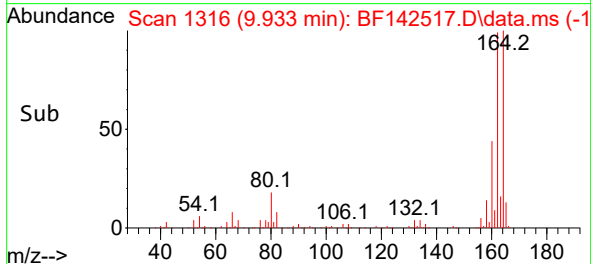
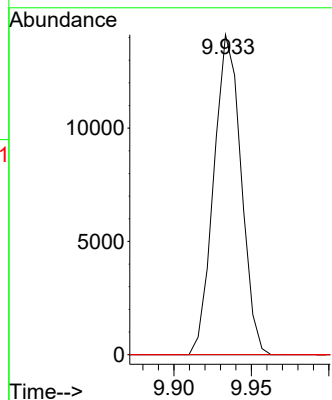
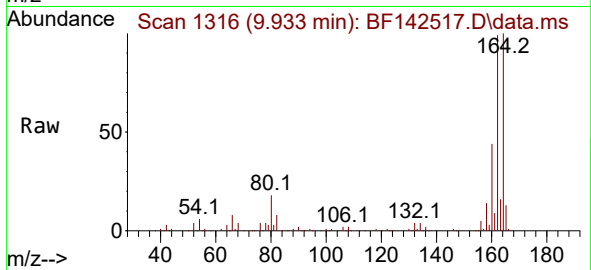




#51
2,6-Dinitrotoluene
Concen: 9.013 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

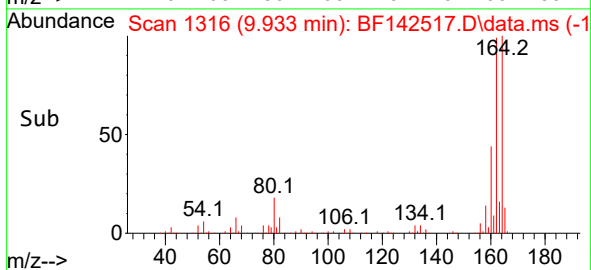
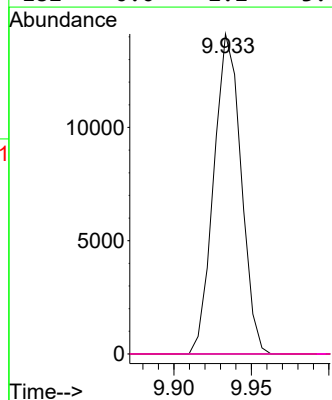
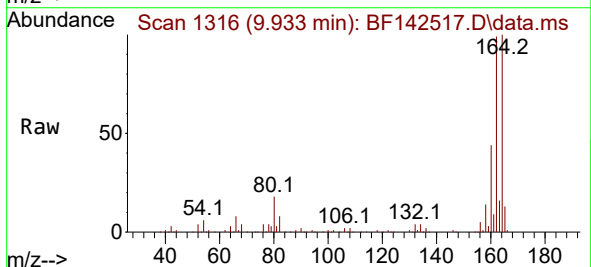
Instrument :
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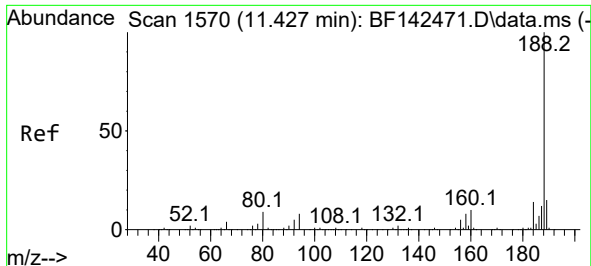
Tgt Ion:165 Resp: 17312
Ion Ratio Lower Upper
165 100
63 0.0 42.9 64.3#
89 0.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.901 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

Tgt Ion:165 Resp: 17312
Ion Ratio Lower Upper
165 100
63 0.0 33.6 50.4#
89 0.0 50.2 75.4#
182 0.0 2.2 3.4#

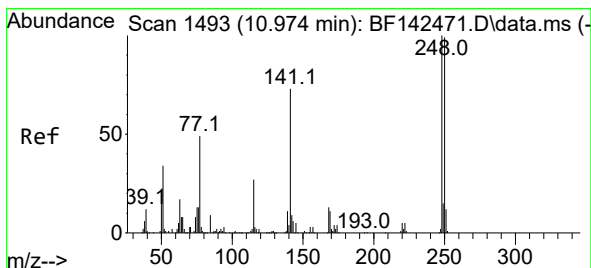
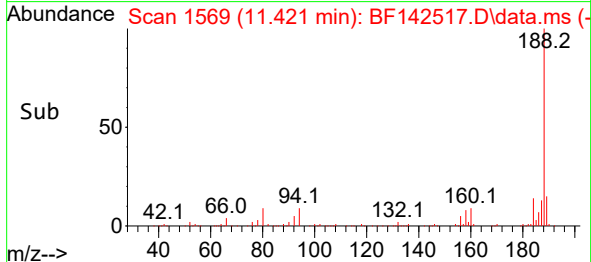
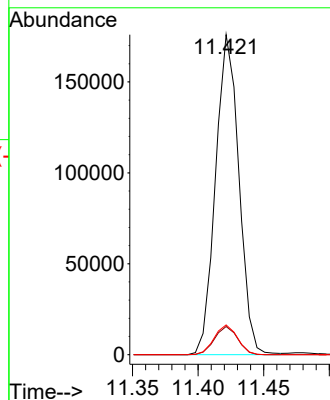
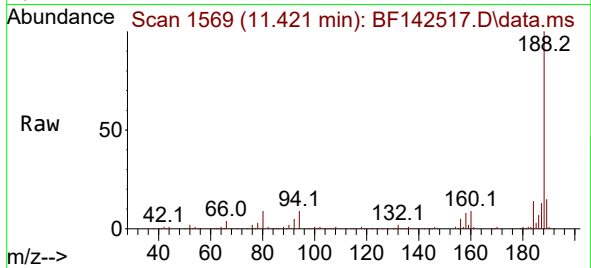




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

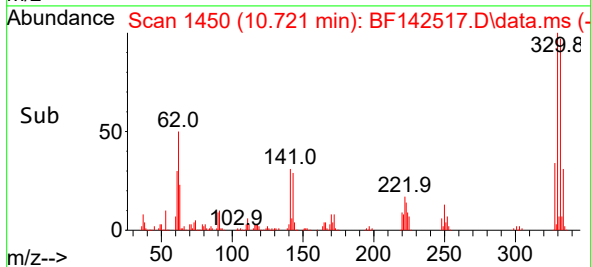
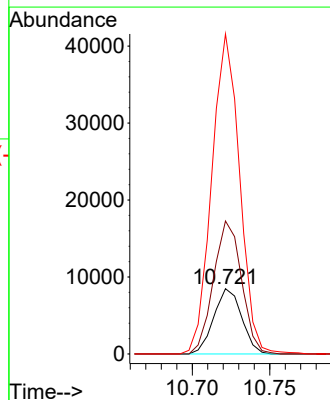
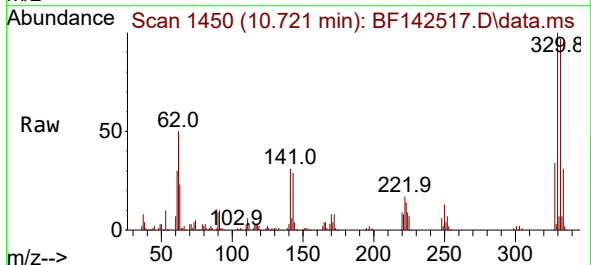
Instrument :
BNA_F
ClientSampleId :
RBR251675

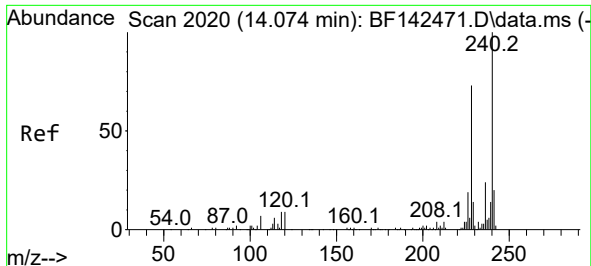
Tgt Ion:188 Resp: 217767
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.3 7.4 11.0



#67
4-Bromophenyl-phenylether
Concen: 4.122 ng
RT: 10.721 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

Tgt Ion:248 Resp: 10614
Ion Ratio Lower Upper
248 100
250 203.8 79.0 118.4#
141 490.3 58.4 87.6#

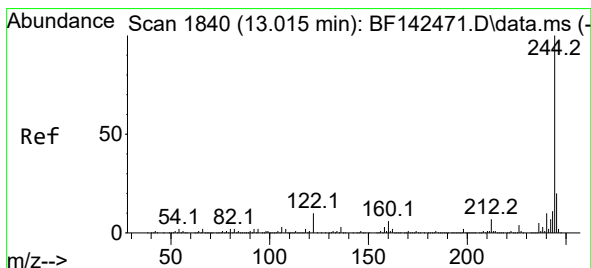
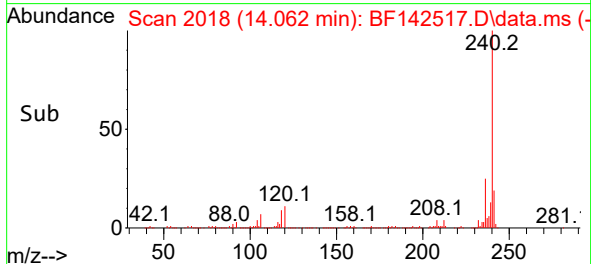
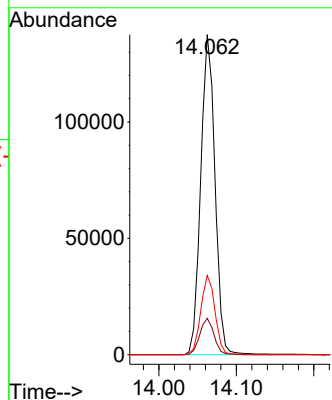
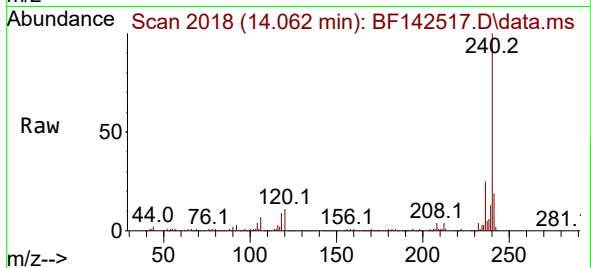




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

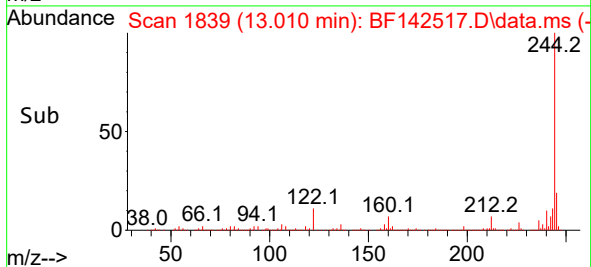
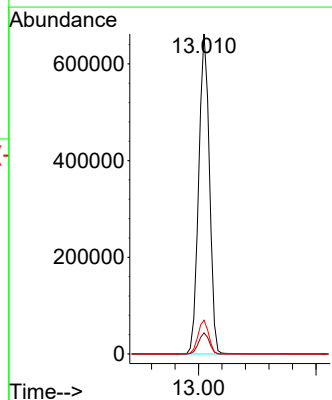
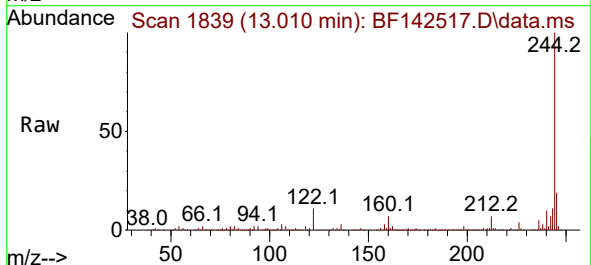
Instrument :
BNA_F
ClientSampleId :
RBR251675

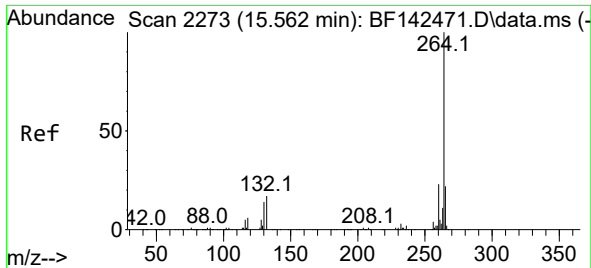
Tgt Ion:240 Resp: 175807
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 24.7 19.6 29.4



#79
Terphenyl-d14
Concen: 65.117 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142517.D
Acq: 22 May 2025 18:29

Tgt Ion:244 Resp: 837737
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 10.6 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.556 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142517.D
 Acq: 22 May 2025 18:29

Instrument :
 BNA_F
 ClientSampleId :
 RBR251675

Tgt Ion:264 Resp: 138839
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.5 17.7 26.5

