

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142520.D
 Acq On : 22 May 2025 19:56
 Operator : RC/JU
 Sample : Q2097-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251372

Quant Time: May 23 01:23:50 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)

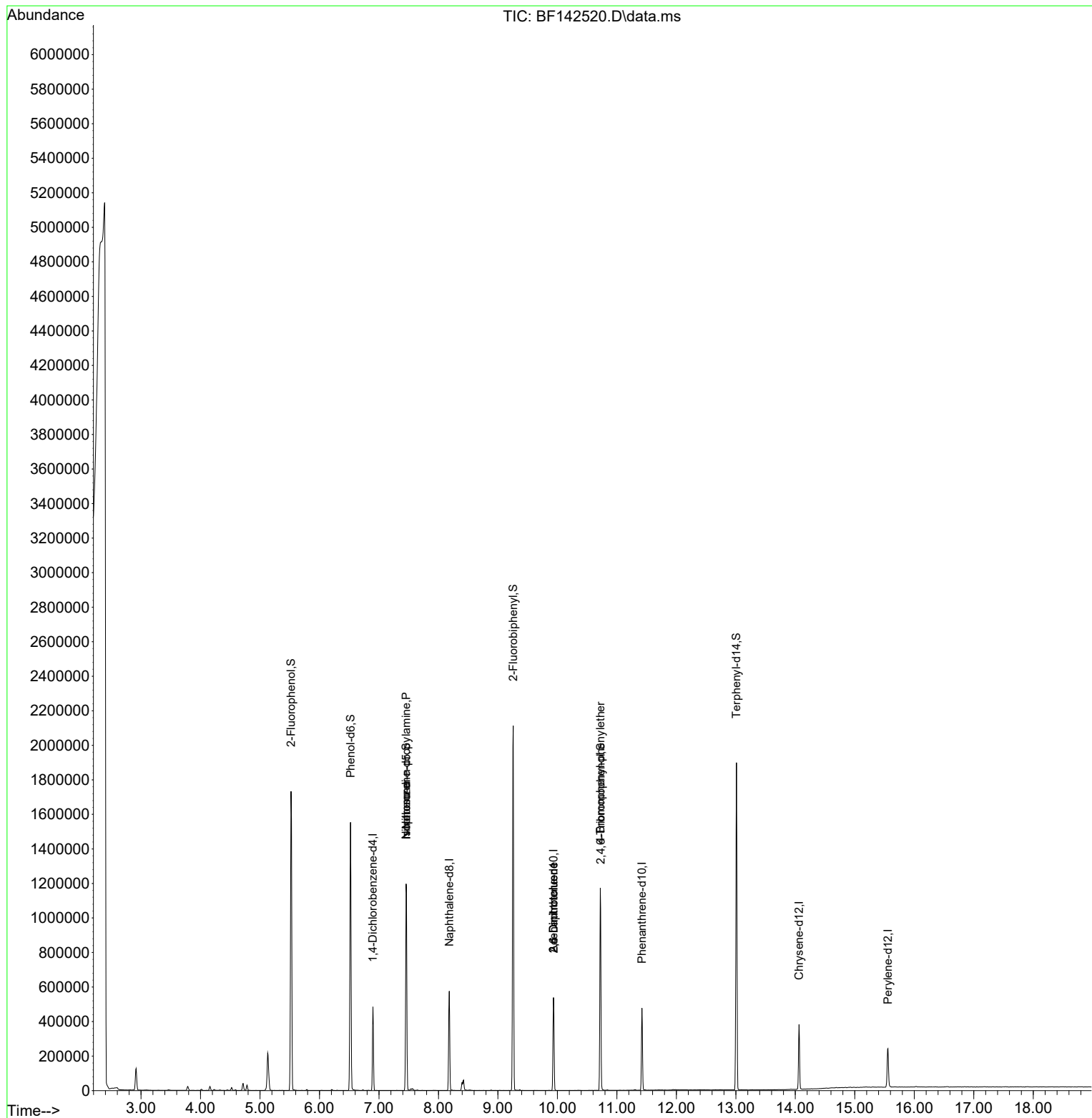
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	103478	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	360399	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	162547	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	246330	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	180629	20.000	ng	-0.01
86) Perylene-d12	15.557	264	140667	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	677494	110.305	ng	0.00
7) Phenol-d6	6.522	99	729097	98.613	ng	-0.01
23) Nitrobenzene-d5	7.457	82	527733	79.847	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	208478	115.560	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	961850	79.403	ng	-0.01
79) Terphenyl-d14	13.010	244	919635	69.575	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	71439	15.591	ng	# 76
25) Isophorone	7.457	82	509426	46.100	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	20638	8.915	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	20638	6.827	ng	# 28
67) 4-Bromophenyl-phenylether	10.722	248	12907	4.431	ng	# 1

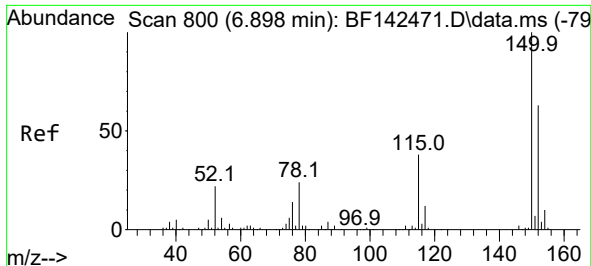
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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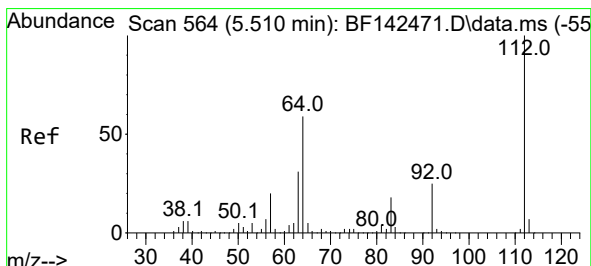
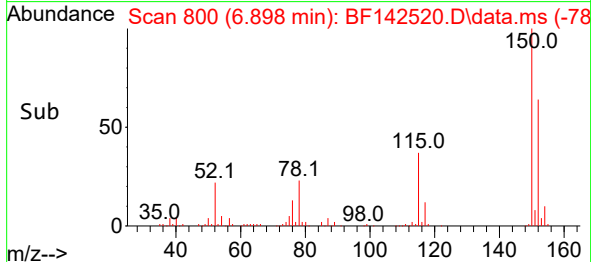
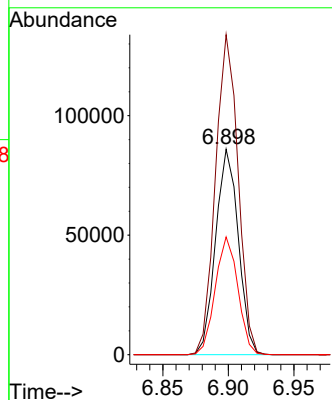
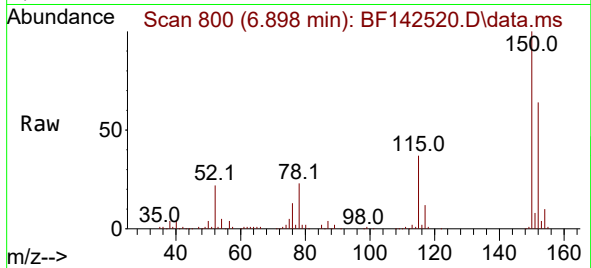




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

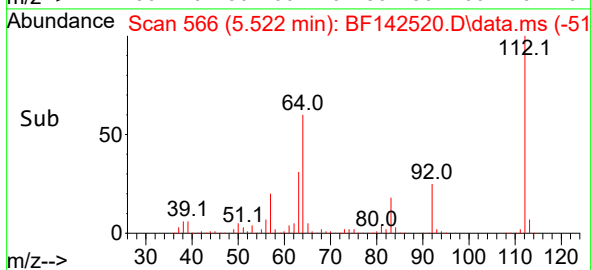
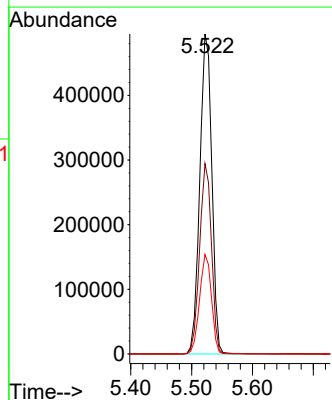
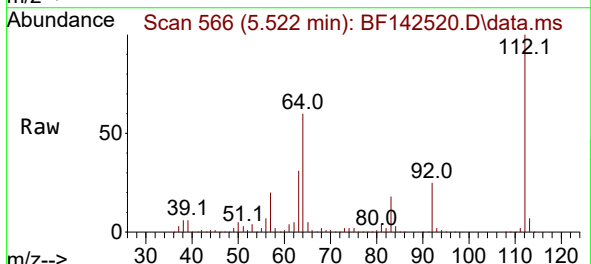
Instrument :
BNA_F
ClientSampleId :
RBR251372

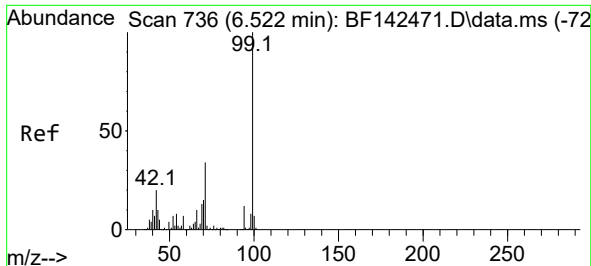
Tgt Ion:152 Resp: 103478
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.3 48.3 72.5



#5
2-Fluorophenol
Concen: 110.305 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

Tgt Ion:112 Resp: 677494
Ion Ratio Lower Upper
112 100
64 59.5 47.5 71.3
63 31.1 24.9 37.3

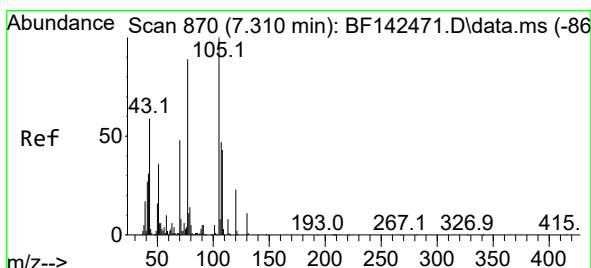
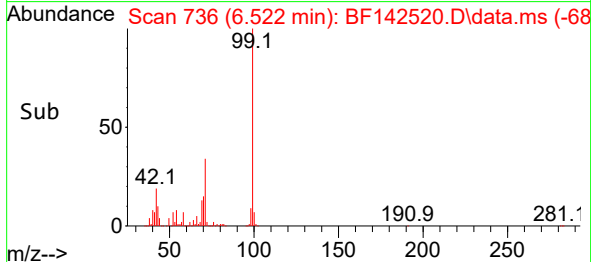
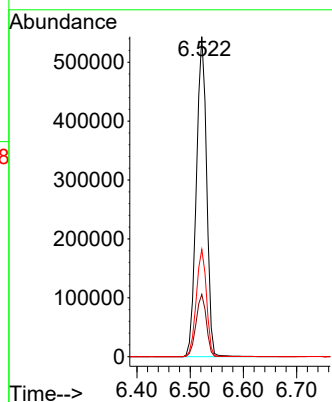
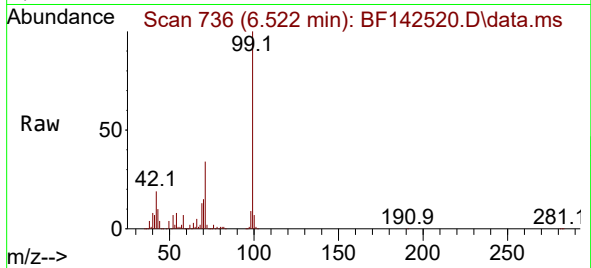




#7
Phenol-d6
Concen: 98.613 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

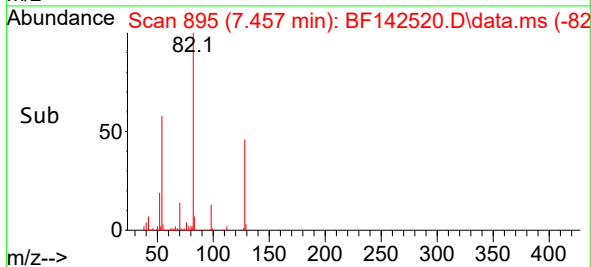
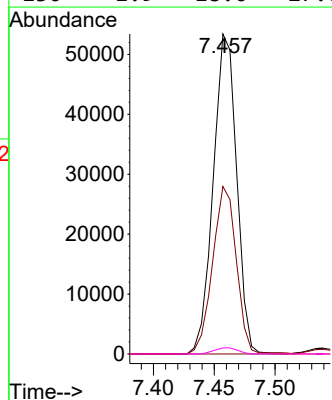
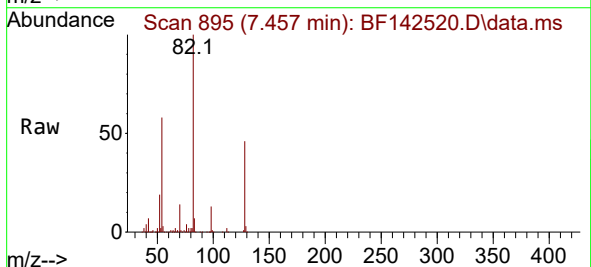
Instrument :
BNA_F
ClientSampleId :
RBR251372

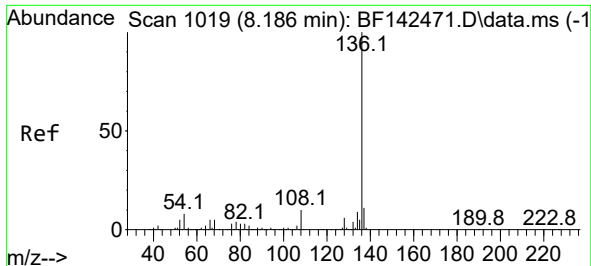
Tgt Ion: 99 Resp: 729097
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.2
71 33.5 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.591 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

Tgt Ion: 70 Resp: 71439
Ion Ratio Lower Upper
70 100
42 52.4 52.4 78.6#
101 0.0 7.8 11.8#
130 1.9 18.0 27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142520.D

Acq: 22 May 2025 19:56

Instrument :

BNA_F

ClientSampleId :

RBR251372

Tgt Ion:136 Resp: 360399

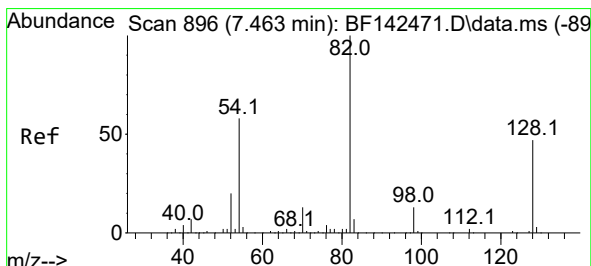
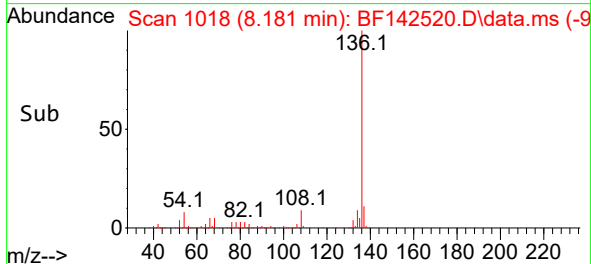
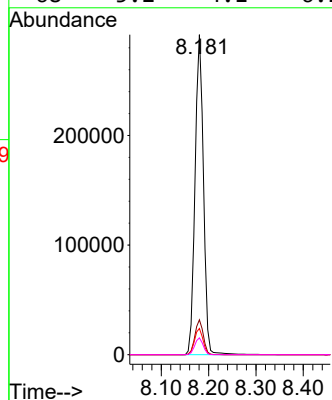
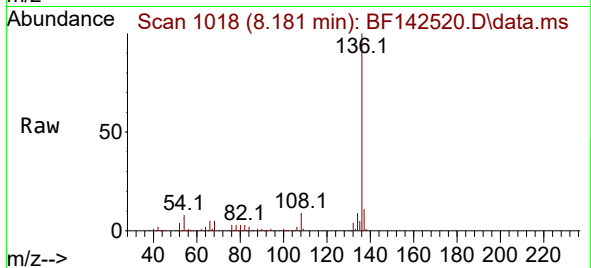
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.2 6.6 10.0

68 5.2 4.1 6.1



#23

Nitrobenzene-d5

Concen: 79.847 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142520.D

Acq: 22 May 2025 19:56

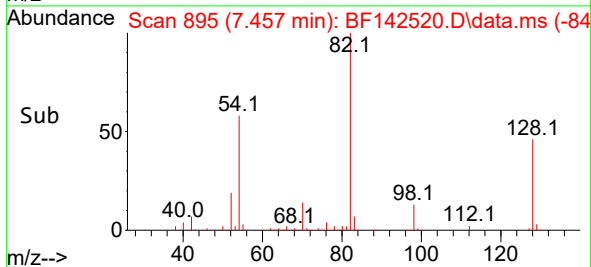
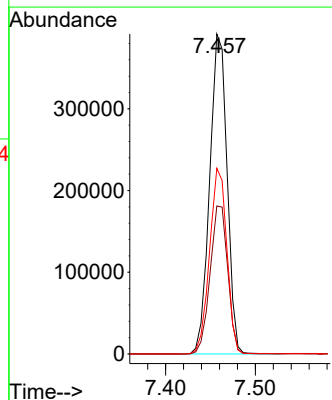
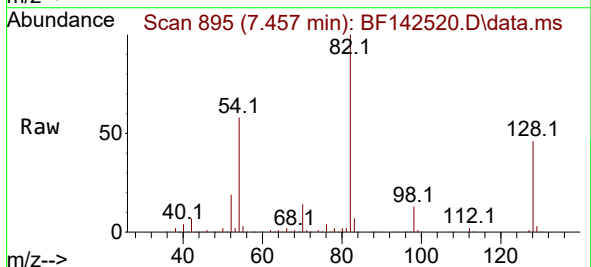
Tgt Ion: 82 Resp: 527733

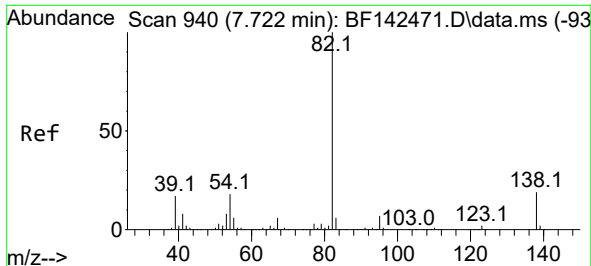
Ion Ratio Lower Upper

82 100

128 46.3 37.4 56.2

54 58.0 46.6 70.0

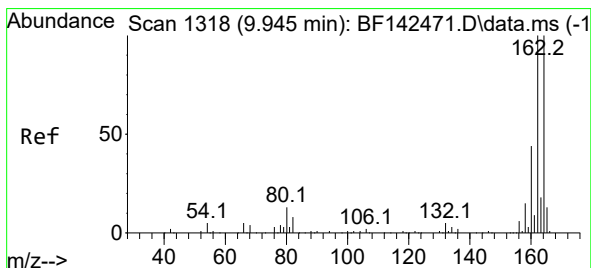
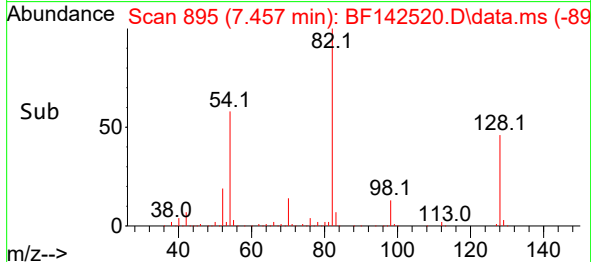
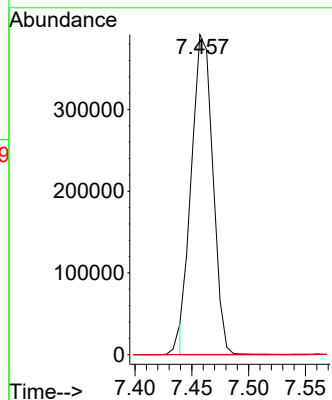
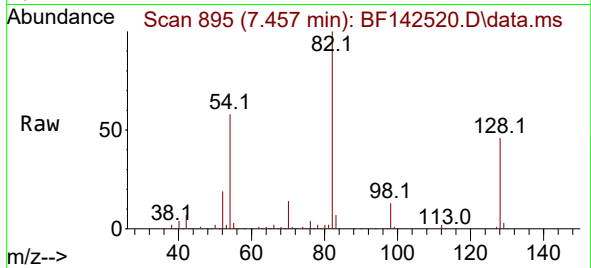




#25
Isophorone
Concen: 46.100 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

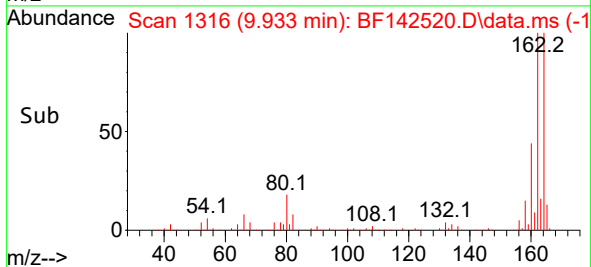
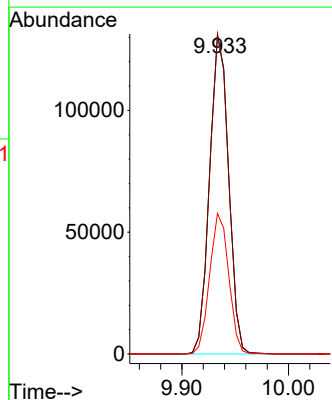
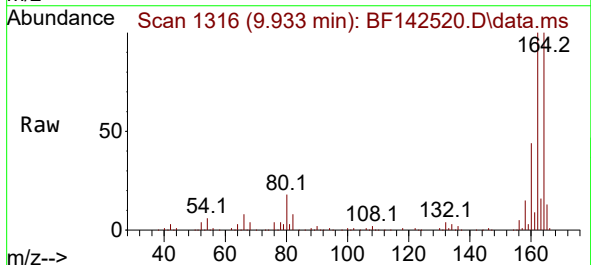
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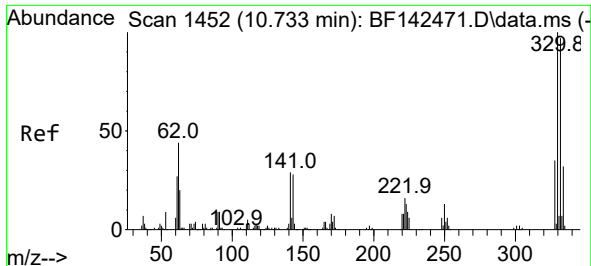
Tgt Ion: 82 Resp: 509426
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

Tgt Ion:164 Resp: 162547
Ion Ratio Lower Upper
164 100
162 99.6 80.2 120.4
160 43.9 35.6 53.4

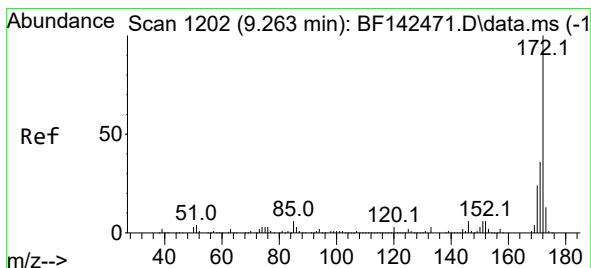
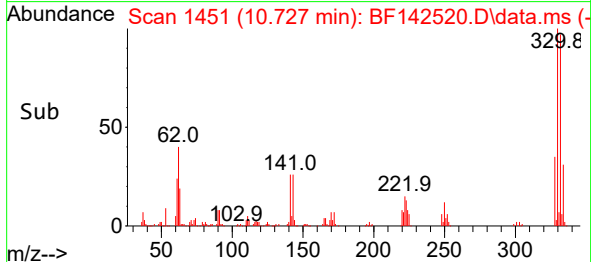
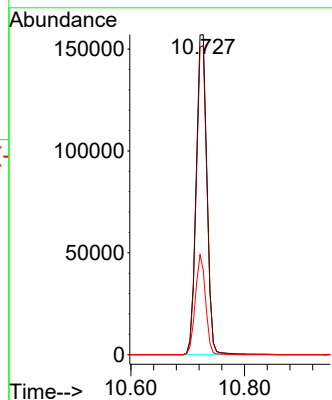
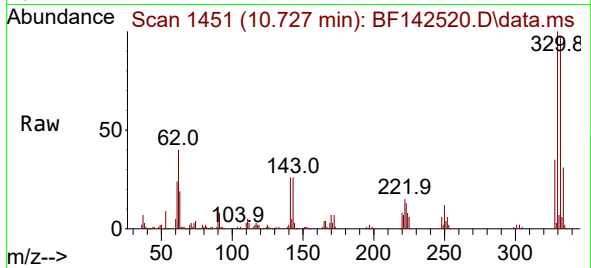




#42
 2,4,6-Tribromophenol
 Concen: 115.560 ng
 RT: 10.727 min Scan# 1451
 Delta R.T. -0.012 min
 Lab File: BF142520.D
 Acq: 22 May 2025 19:56

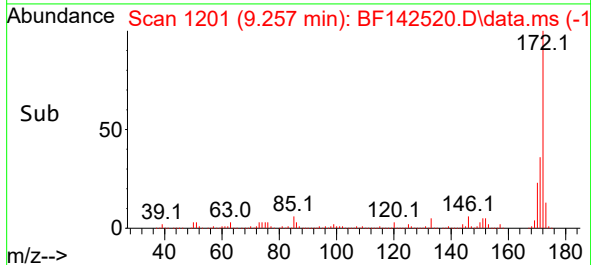
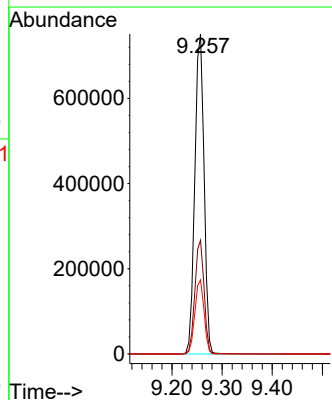
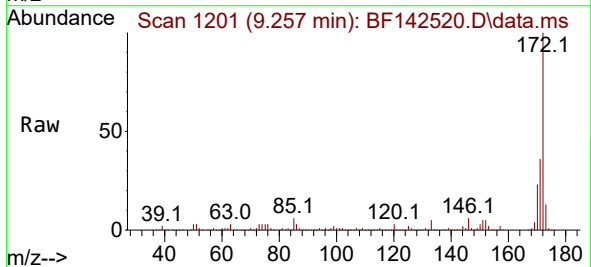
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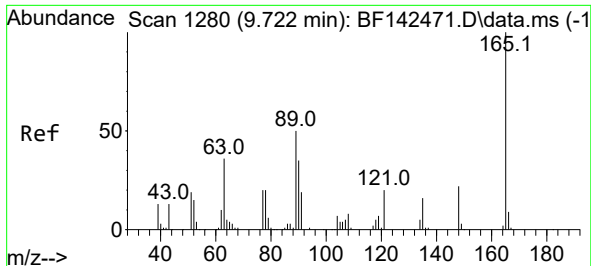
Tgt Ion:330 Resp: 208478
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.6 116.4
 141 29.6 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 79.403 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF142520.D
 Acq: 22 May 2025 19:56

Tgt Ion:172 Resp: 961850
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.1 18.9 28.3

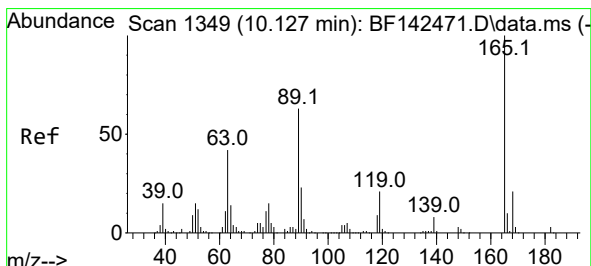
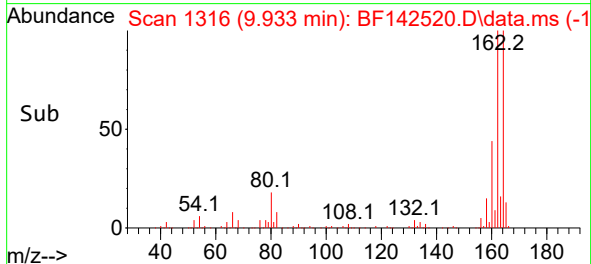
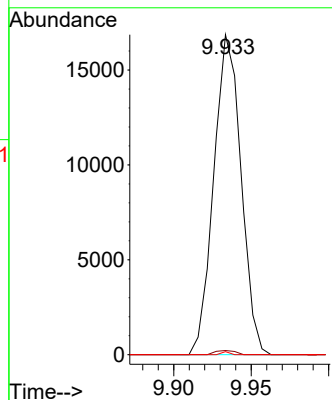
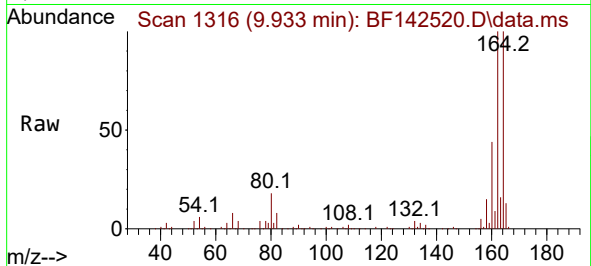




#51
2,6-Dinitrotoluene
Concen: 8.915 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

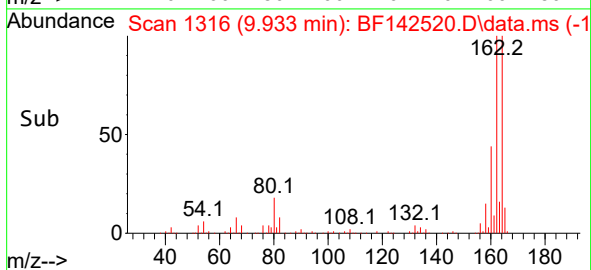
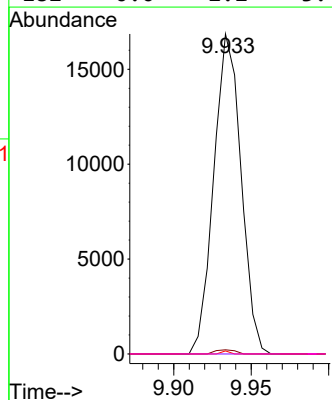
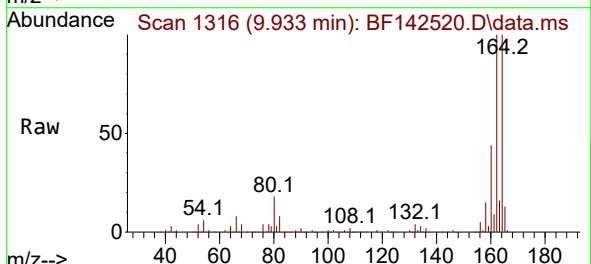
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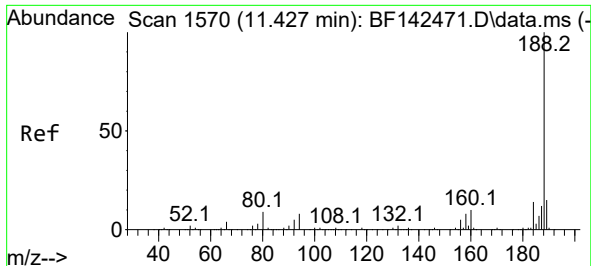
Tgt Ion:165 Resp: 20638
Ion Ratio Lower Upper
165 100
63 1.3 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.827 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

Tgt Ion:165 Resp: 20638
Ion Ratio Lower Upper
165 100
63 1.3 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#

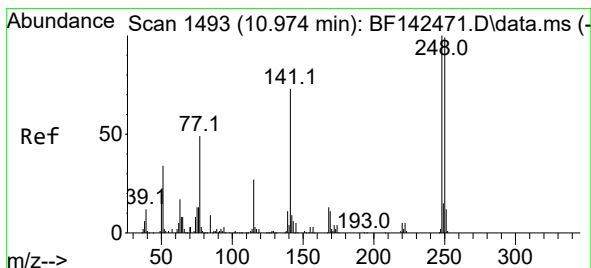
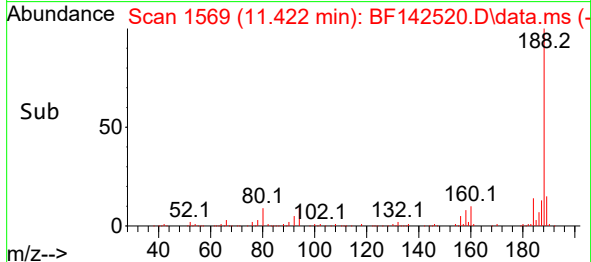
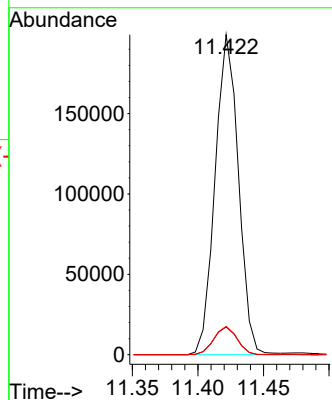
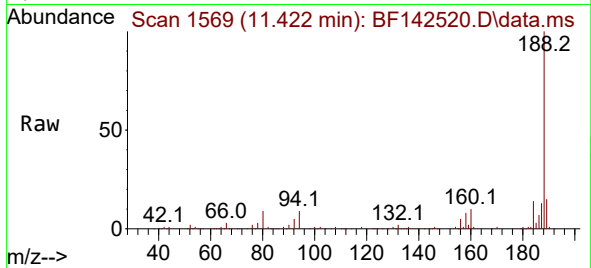




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

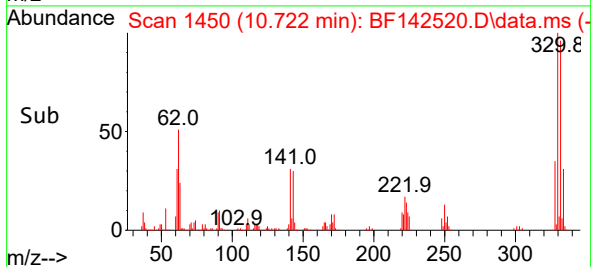
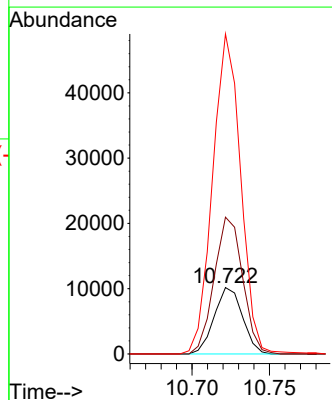
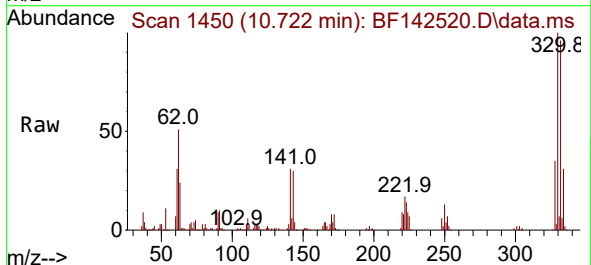
Instrument :
BNA_F
ClientSampleId :
RBR251372

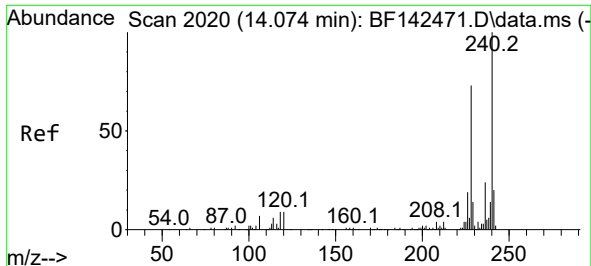
Tgt Ion:188 Resp: 246330
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 8.8 7.4 11.0



#67
4-Bromophenyl-phenylether
Concen: 4.431 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

Tgt Ion:248 Resp: 12907
Ion Ratio Lower Upper
248 100
250 206.3 79.0 118.4#
141 482.4 58.4 87.6#

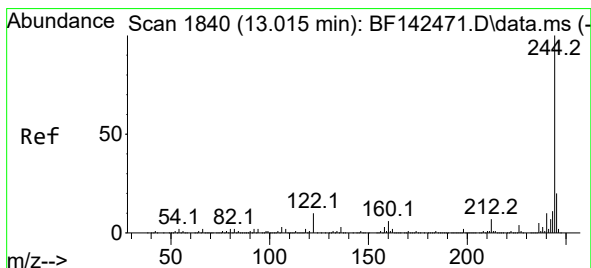
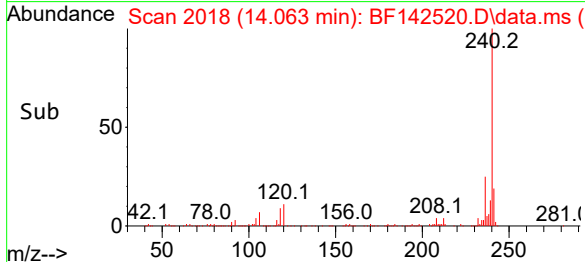
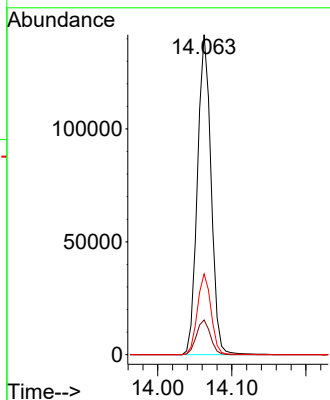
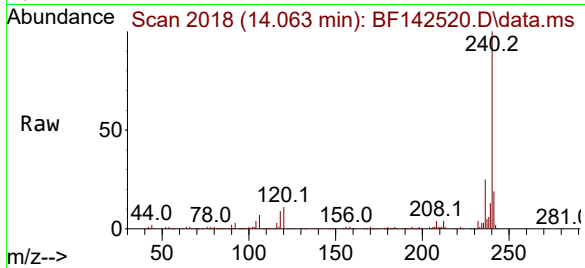




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

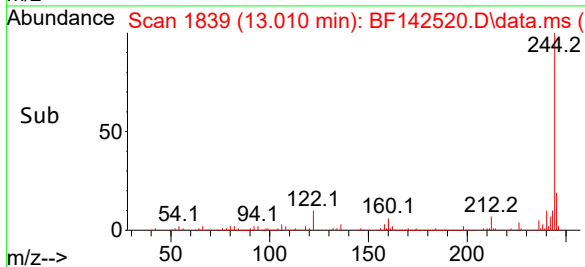
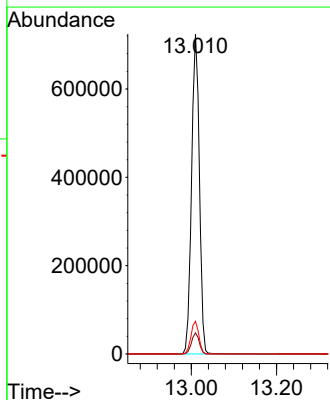
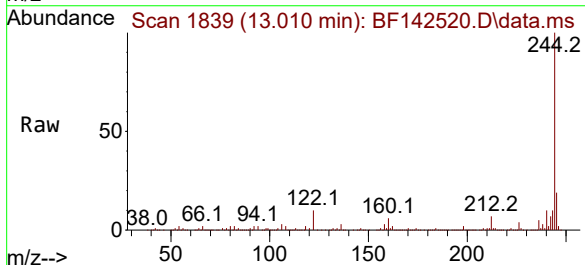
Instrument :
BNA_F
ClientSampleId :
RBR251372

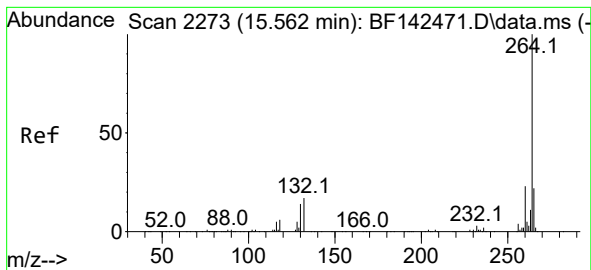
Tgt Ion:240 Resp: 180629
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 25.3 19.6 29.4



#79
Terphenyl-d14
Concen: 69.575 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

Tgt Ion:244 Resp: 919635
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 10.2 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142520.D

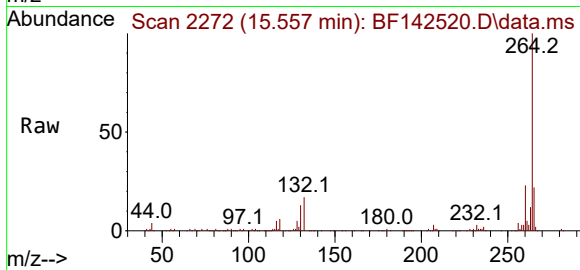
Acq: 22 May 2025 19:56

Instrument :

BNA_F

ClientSampleId :

RBR251372



Tgt Ion:264 Resp: 140667

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.6 17.7 26.5

