

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142657.D
 Acq On : 06 Jun 2025 20:32
 Operator : RC/JU
 Sample : Q2208-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-06

Quant Time: Jun 06 22:57:23 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)

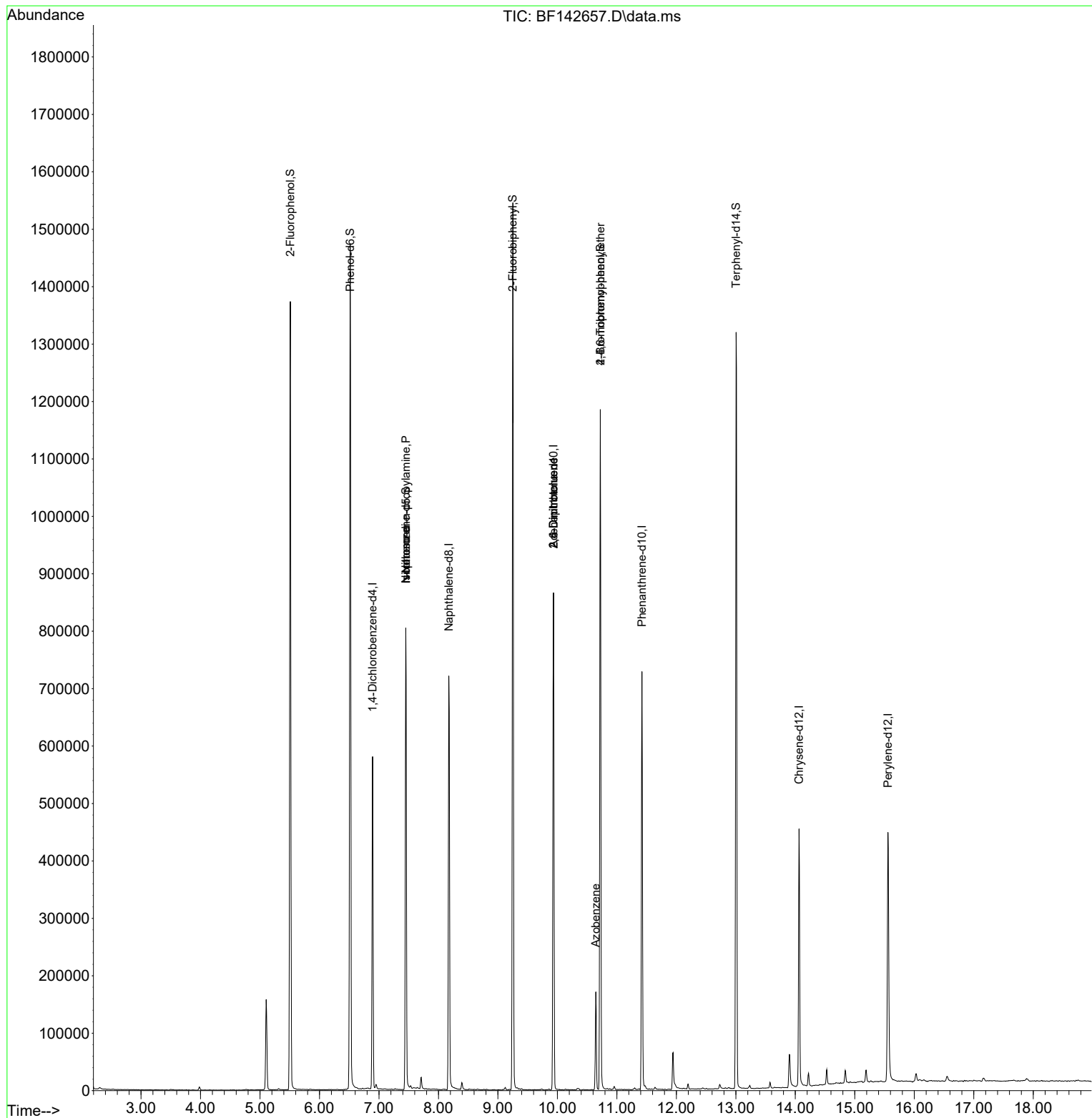
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127076	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	474487	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	257357	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	392042	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	234609	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	276637	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	535429	70.986	ng	0.00
7) Phenol-d6	6.516	99	719127	79.202	ng	-0.02
23) Nitrobenzene-d5	7.451	82	351620	40.409	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	213172	74.631	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	701987	36.602	ng	-0.02
79) Terphenyl-d14	13.004	244	664651	38.714	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	46813	8.319	ng	# 74
25) Isophorone	7.451	82	336362	23.120	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	33243	9.070	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	33243	6.945	ng	# 28
63) Azobenzene	10.645	77	40109	2.693	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13263	2.861	ng	# 1

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

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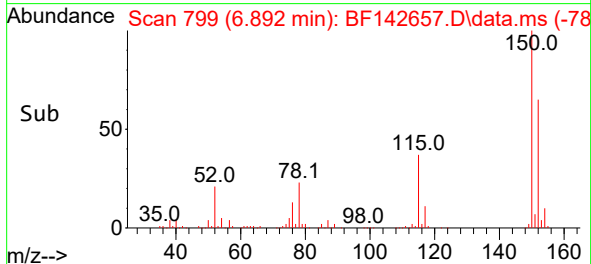
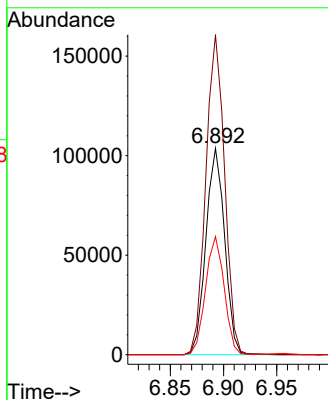
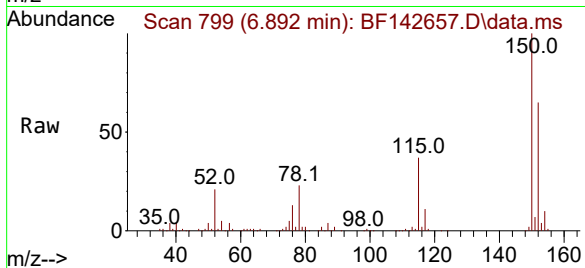




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

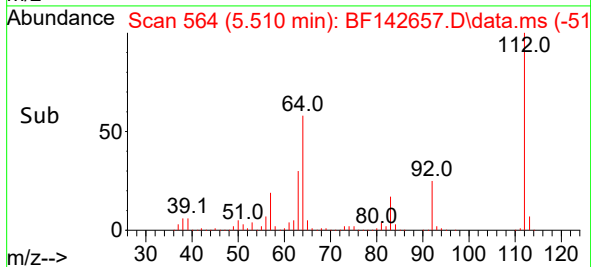
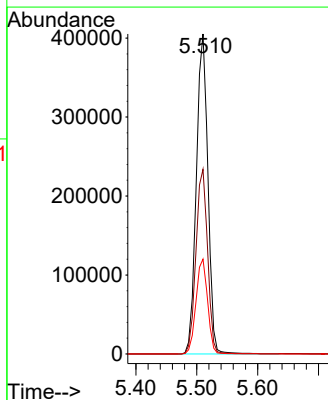
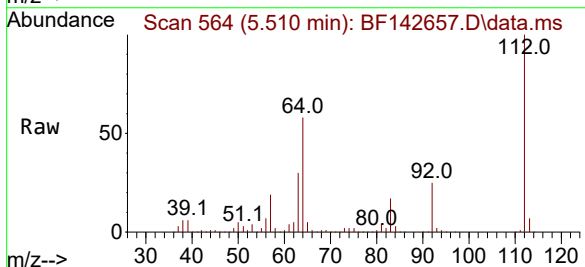
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-06

Tgt Ion:152 Resp: 127076
Ion Ratio Lower Upper
152 100
150 155.0 128.2 192.4
115 57.2 48.3 72.5



#5
2-Fluorophenol
Concen: 70.986 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

Tgt Ion:112 Resp: 535429
Ion Ratio Lower Upper
112 100
64 57.7 47.5 71.3
63 29.7 24.9 37.3

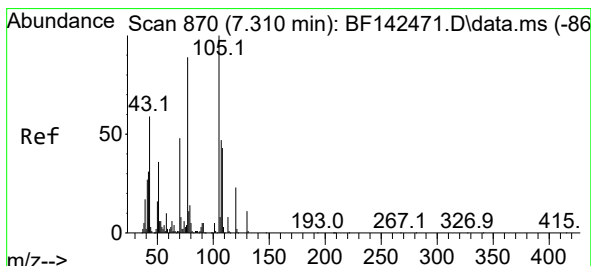
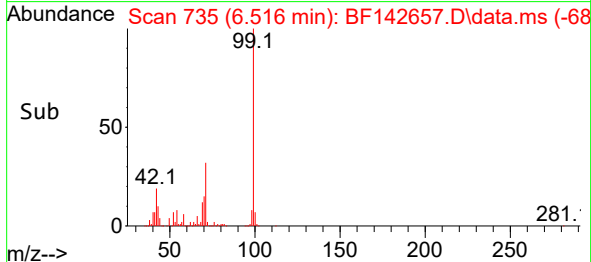
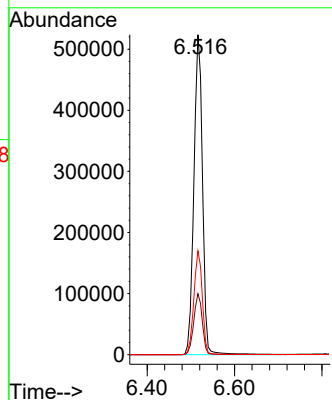
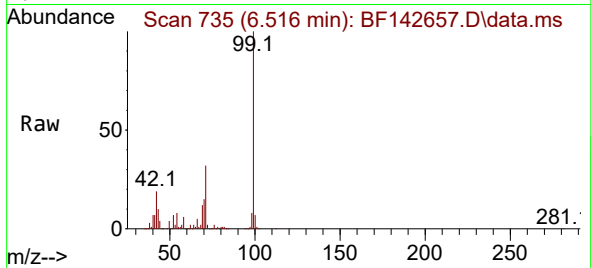




#7
Phenol-d6
Concen: 79.202 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

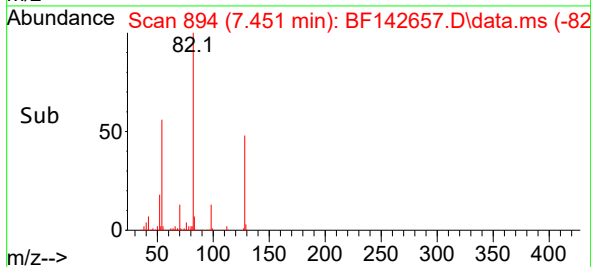
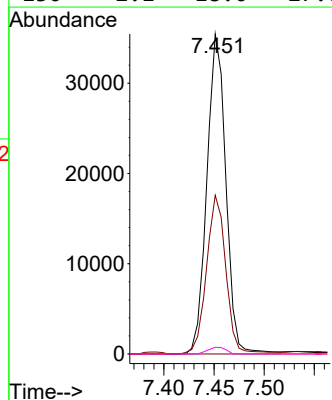
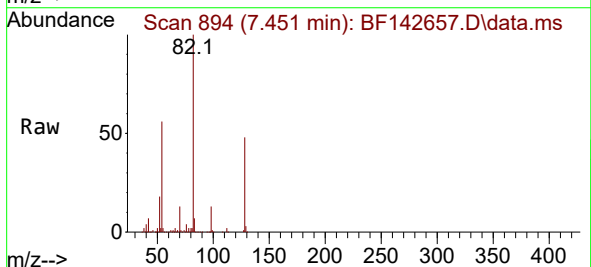
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-06

Tgt Ion: 99 Resp: 719127
Ion Ratio Lower Upper
99 100
42 19.1 16.2 24.2
71 32.4 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.319 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

Tgt Ion: 70 Resp: 46813
Ion Ratio Lower Upper
70 100
42 49.6 52.4 78.6#
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#

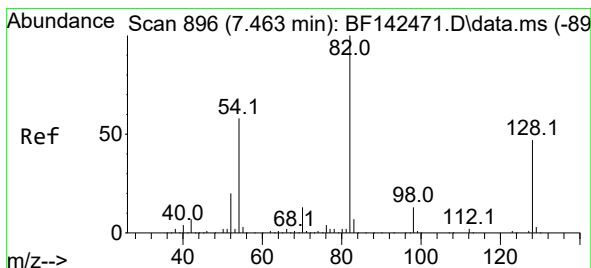
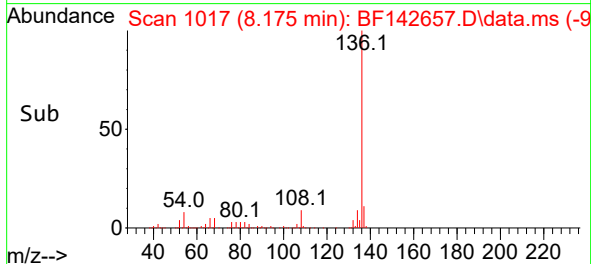
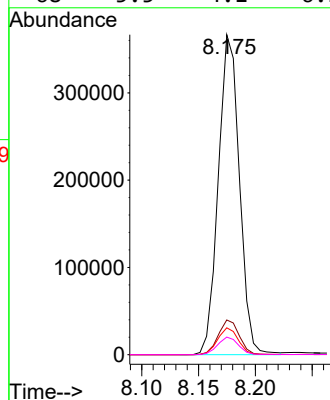
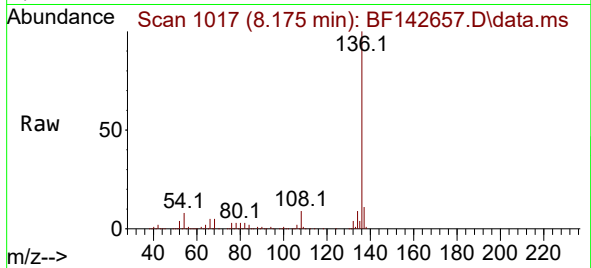




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

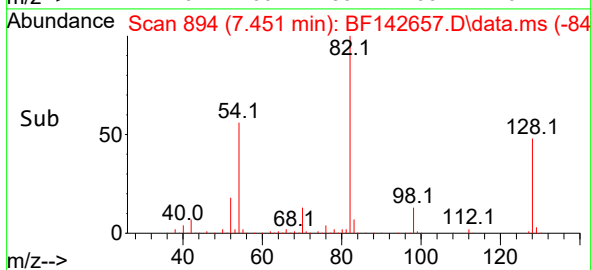
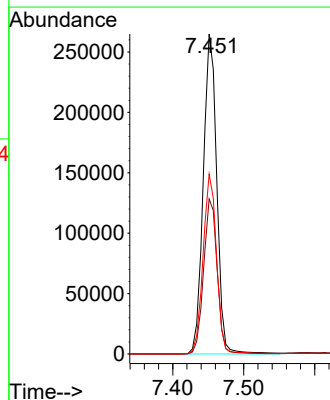
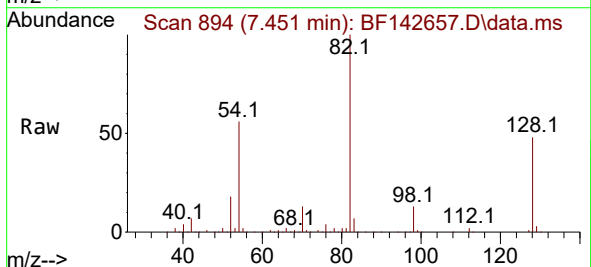
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-06

Tgt Ion:136 Resp: 474487
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 6.6 10.0
68 5.5 4.1 6.1



#23
Nitrobenzene-d5
Concen: 40.409 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

Tgt Ion: 82 Resp: 351620
Ion Ratio Lower Upper
82 100
128 48.4 37.4 56.2
54 56.2 46.6 70.0

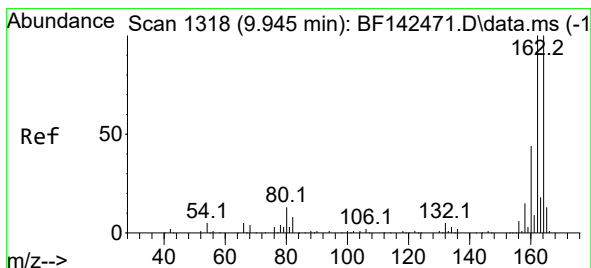
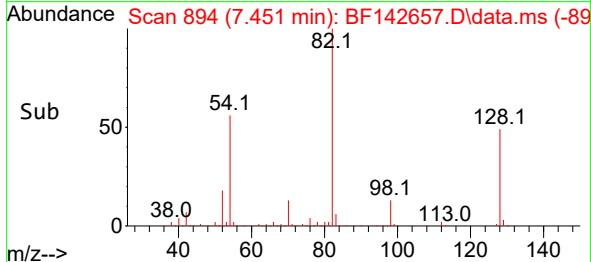
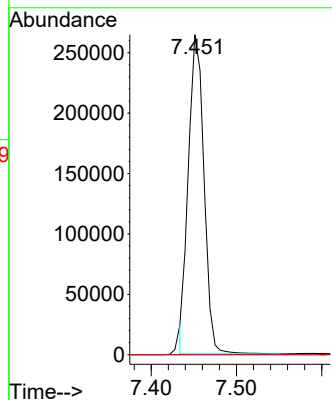
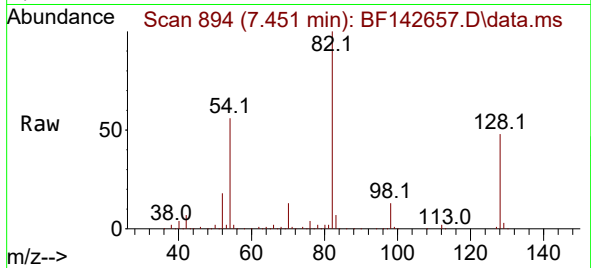




#25
Isophorone
Concen: 23.120 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

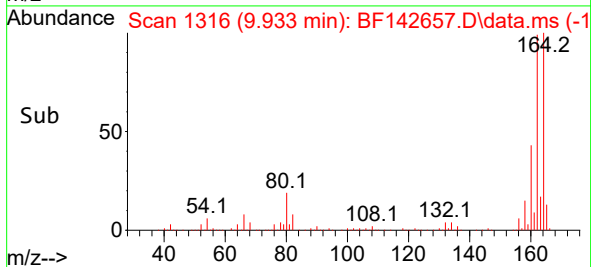
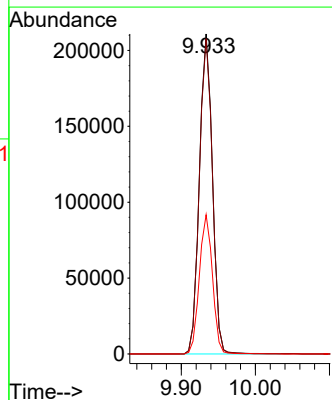
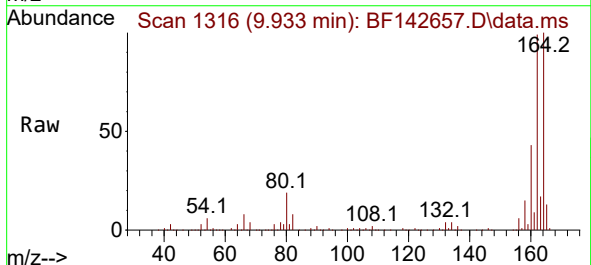
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ClientSampleId :
BU-703-COMP-06

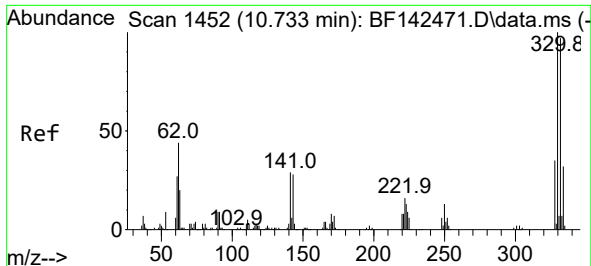
Tgt Ion: 82 Resp: 336362
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

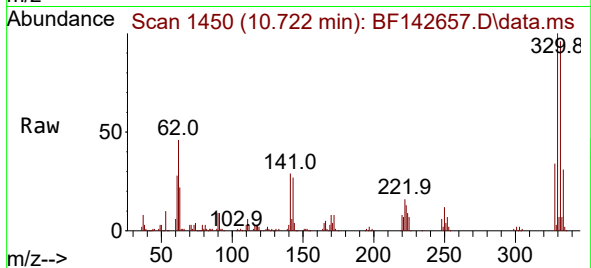
Tgt Ion:164 Resp: 257357
Ion Ratio Lower Upper
164 100
162 98.5 80.2 120.4
160 43.5 35.6 53.4



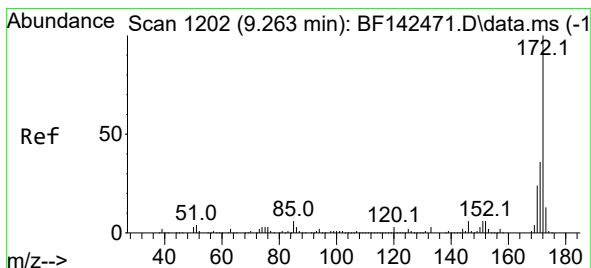
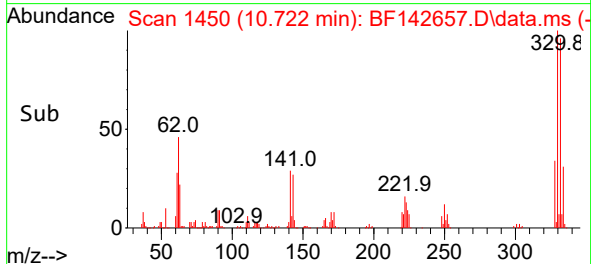
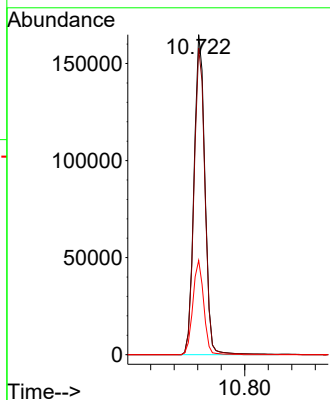


#42
 2,4,6-Tribromophenol
 Concen: 74.631 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.018 min
 Lab File: BF142657.D
 Acq: 06 Jun 2025 20:32

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-06

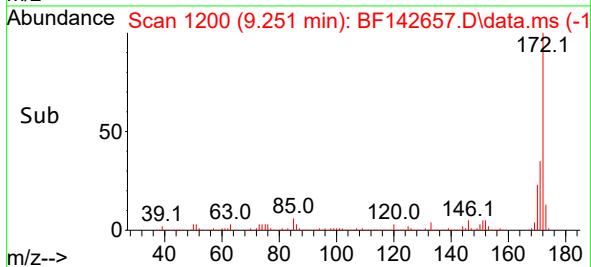
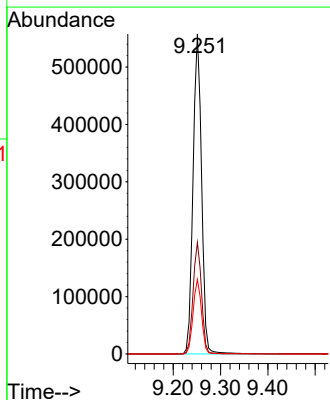
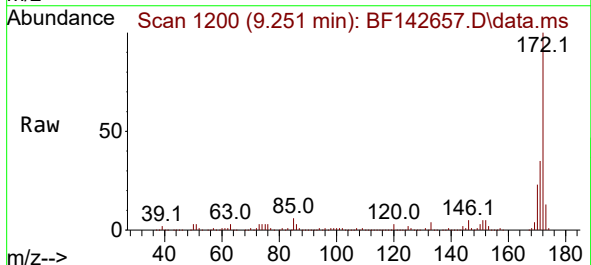


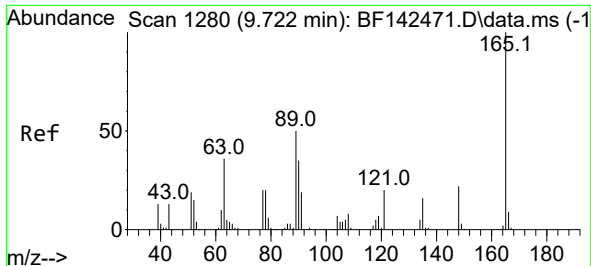
Tgt Ion:330 Resp: 213172
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.6 116.4
 141 29.3 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 36.602 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142657.D
 Acq: 06 Jun 2025 20:32

Tgt Ion:172 Resp: 701987
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 23.3 18.9 28.3

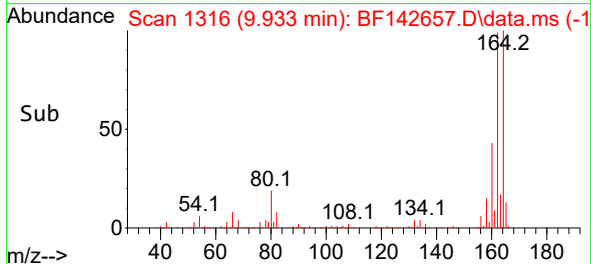
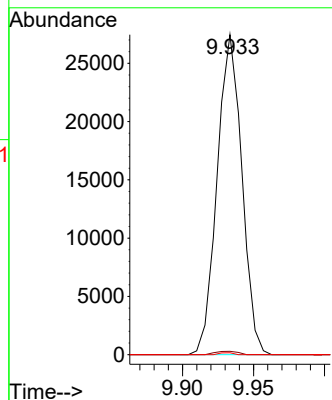
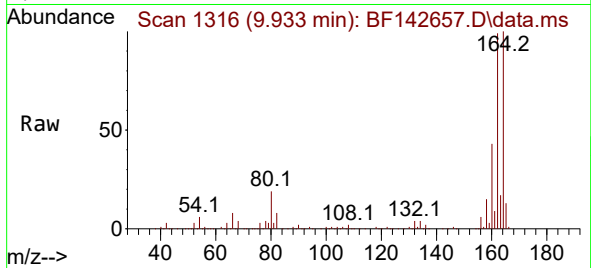




#51
2,6-Dinitrotoluene
Concen: 9.070 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

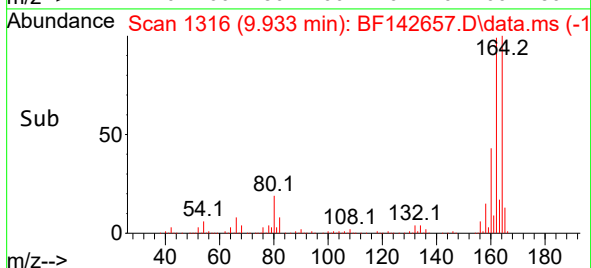
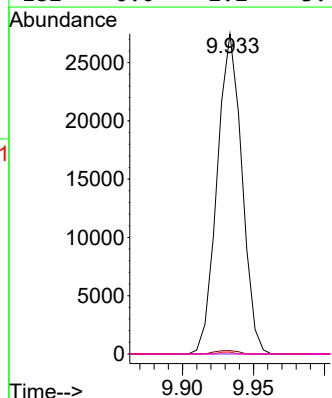
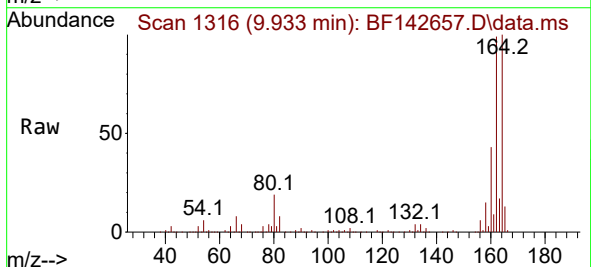
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BU-703-COMP-06

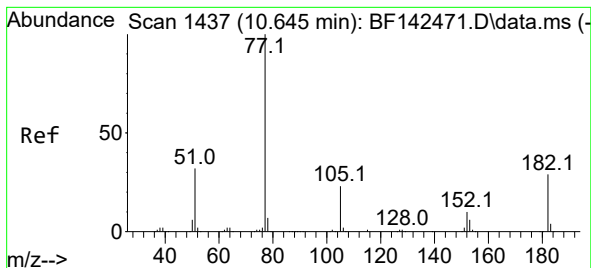
Tgt Ion:165 Resp: 33243
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 0.6 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.945 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

Tgt Ion:165 Resp: 33243
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 0.6 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.693 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF142657.D

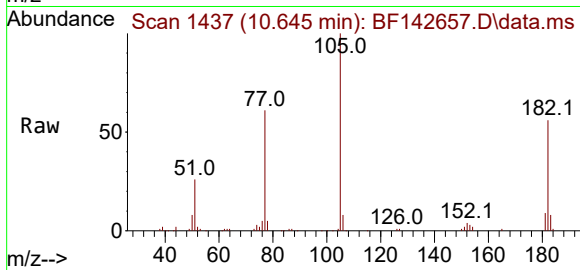
Acq: 06 Jun 2025 20:32

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-06



Tgt Ion: 77 Resp: 40109

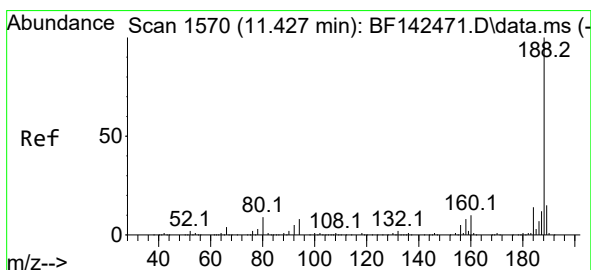
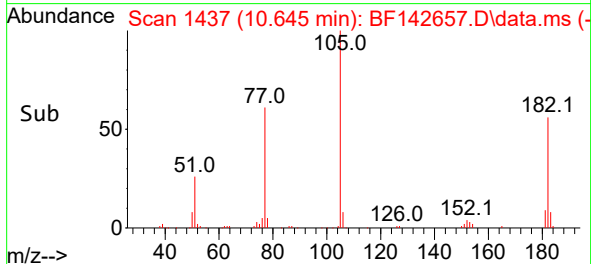
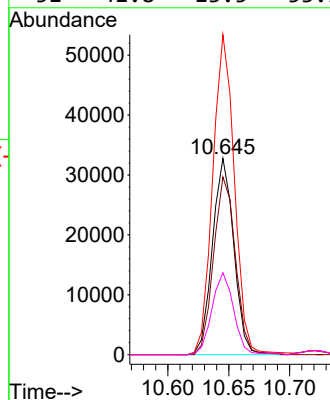
Ion Ratio Lower Upper

77 100

182 90.5 9.0 49.0#

105 163.1 2.4 42.4#

51 41.8 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142657.D

Acq: 06 Jun 2025 20:32

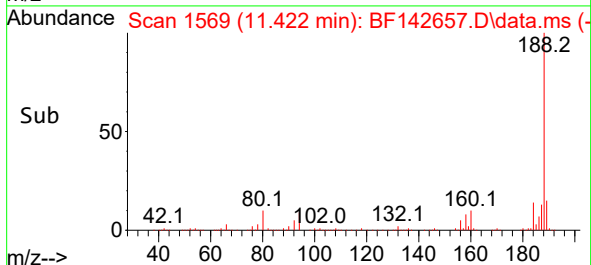
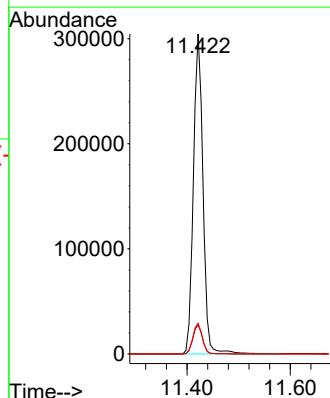
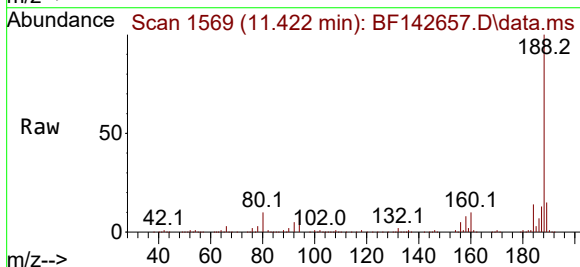
Tgt Ion: 188 Resp: 392042

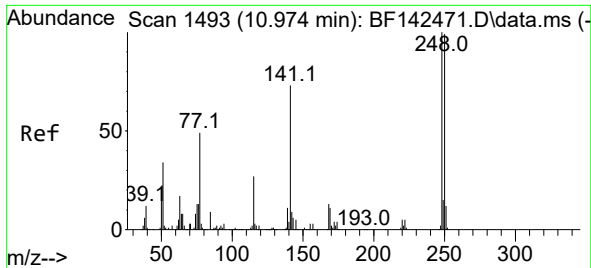
Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.6 7.4 11.0

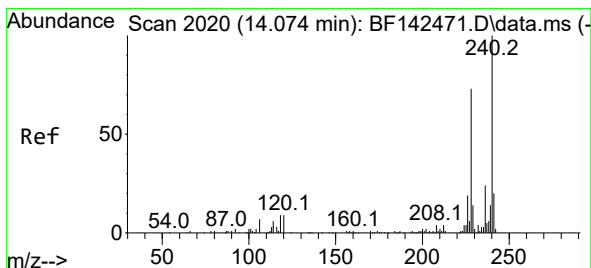
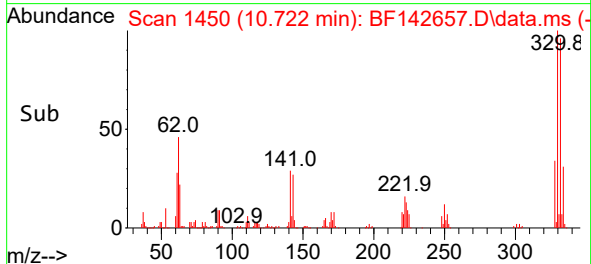
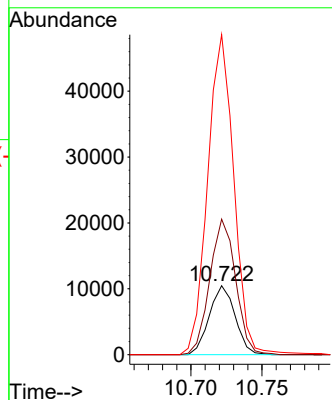
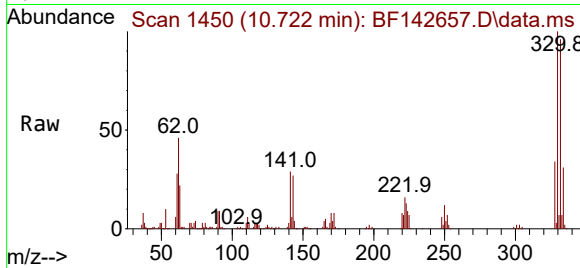




#67
4-Bromophenyl-phenylether
Concen: 2.861 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

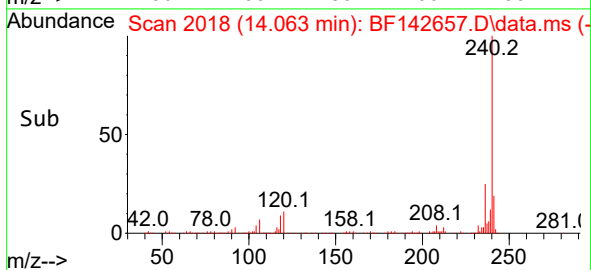
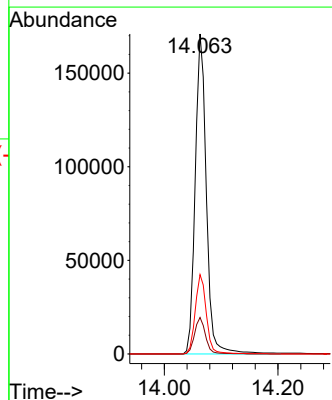
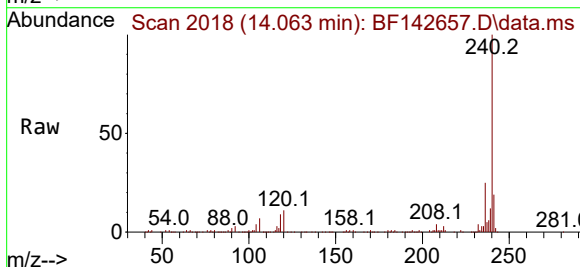
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-06

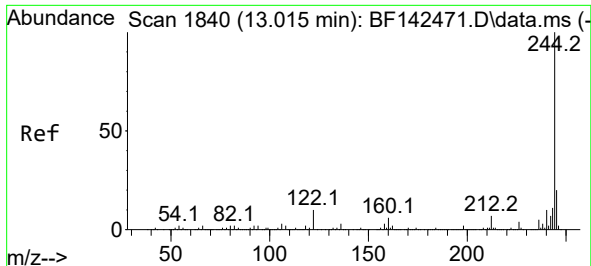
Tgt Ion:248 Resp: 13263
Ion Ratio Lower Upper
248 100
250 196.5 79.0 118.4#
141 464.3 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142657.D
Acq: 06 Jun 2025 20:32

Tgt Ion:240 Resp: 234609
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 24.8 19.6 29.4

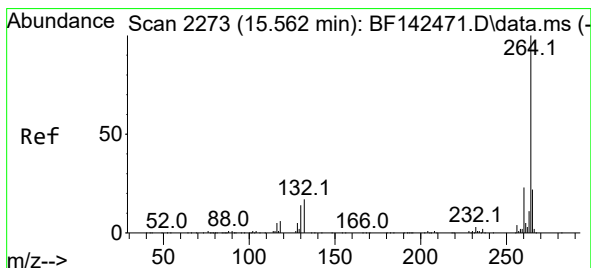
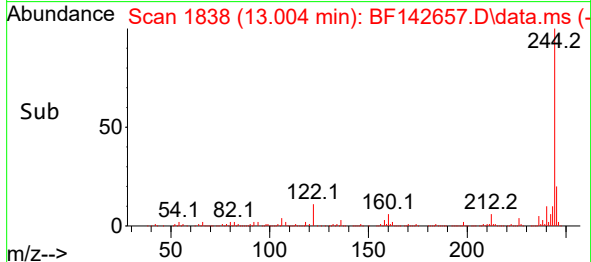
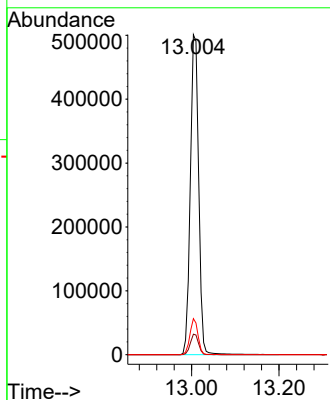
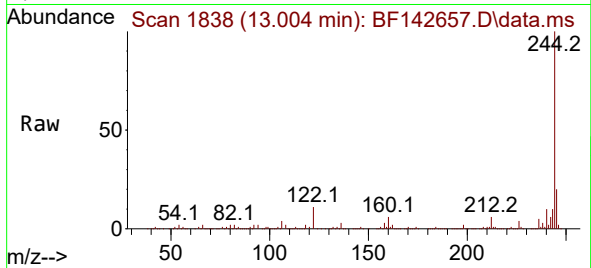




#79
 Terphenyl-d14
 Concen: 38.714 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142657.D
 Acq: 06 Jun 2025 20:32

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-06

Tgt Ion:244 Resp: 664651
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 11.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142657.D
 Acq: 06 Jun 2025 20:32

Tgt Ion:264 Resp: 276637
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.3 17.7 26.5

