

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142670.D
 Acq On : 07 Jun 2025 04:38
 Operator : RC/JU
 Sample : Q2176-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-25

Quant Time: Jun 07 05:51:30 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)

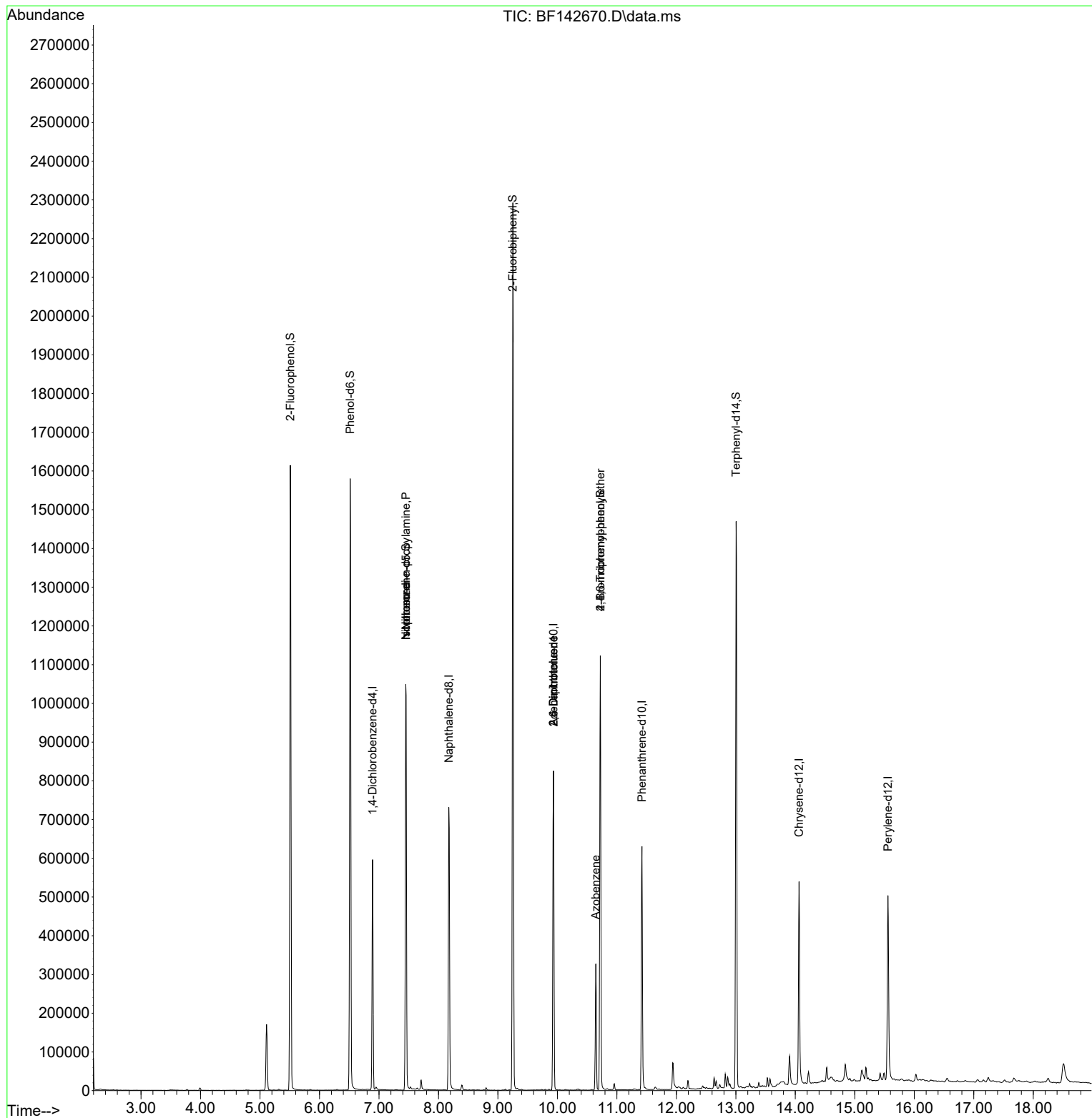
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	130354	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	491772	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	246899	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	346053	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	255092	20.000	ng	-0.01
86) Perylene-d12	15.557	264	288040	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	631600	81.631	ng	0.00
7) Phenol-d6	6.516	99	775710	83.286	ng	-0.02
23) Nitrobenzene-d5	7.451	82	466738	51.753	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	203434	74.239	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1043520	56.714	ng	-0.02
79) Terphenyl-d14	13.004	244	744772	39.898	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	62523	10.832	ng	# 76
25) Isophorone	7.451	82	450639	29.886	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	31694	9.014	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	31694	6.902	ng	# 28
63) Azobenzene	10.645	77	75625	5.292	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	12757	3.118	ng	# 1

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

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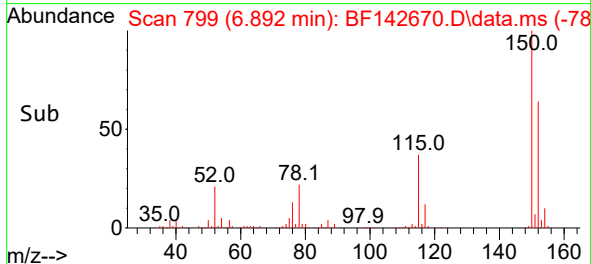
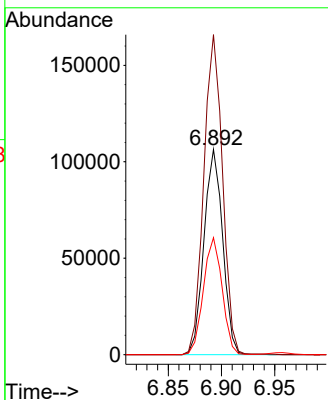
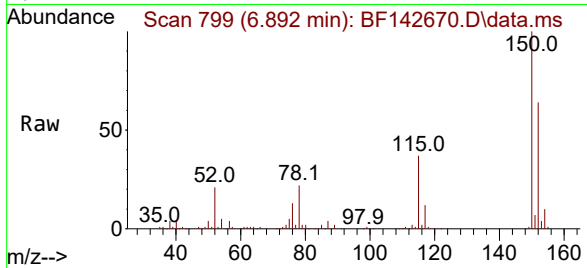




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

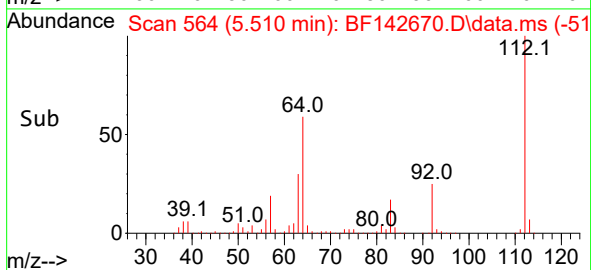
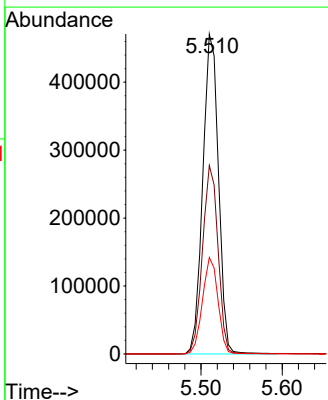
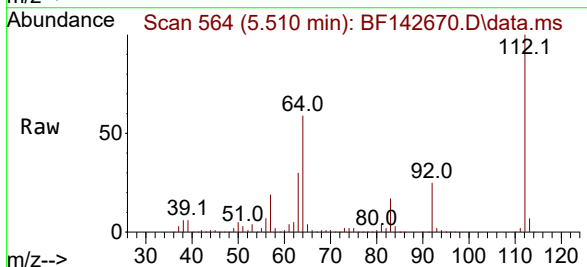
Instrument :
BNA_F
ClientSampleId :
TP-25

Tgt Ion:152 Resp: 130354
Ion Ratio Lower Upper
152 100
150 155.9 128.2 192.4
115 57.0 48.3 72.5



#5
2-Fluorophenol
Concen: 81.631 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

Tgt Ion:112 Resp: 631600
Ion Ratio Lower Upper
112 100
64 58.9 47.5 71.3
63 30.1 24.9 37.3

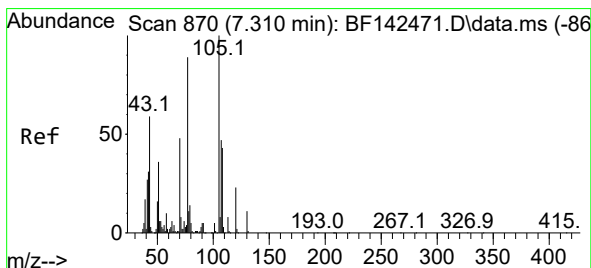
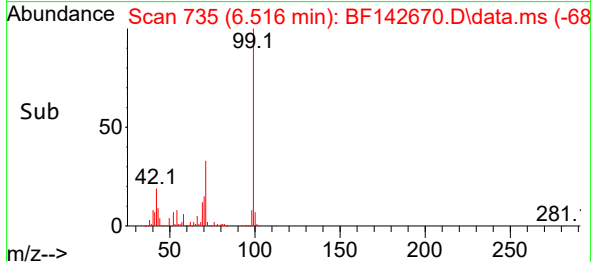
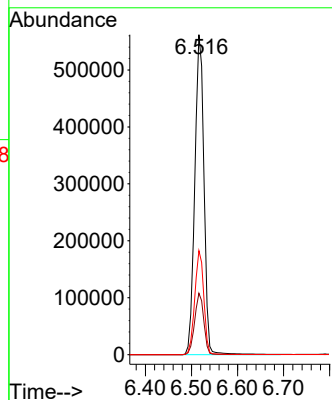
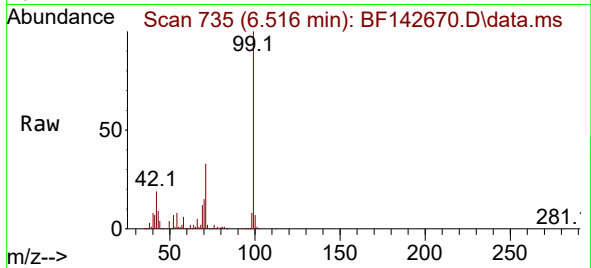




#7
Phenol-d6
Concen: 83.286 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

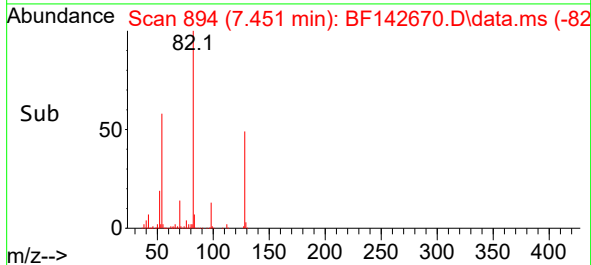
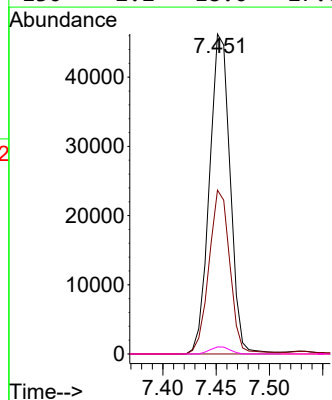
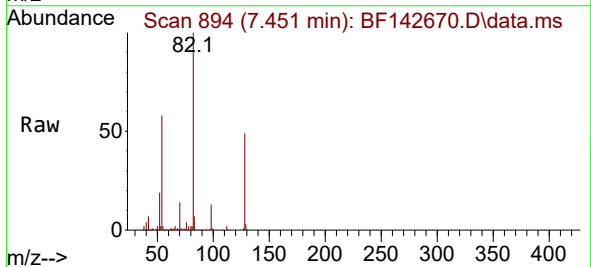
Instrument :
BNA_F
ClientSampleId :
TP-25

Tgt Ion: 99 Resp: 775710
Ion Ratio Lower Upper
99 100
42 19.2 16.2 24.2
71 32.5 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.832 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

Tgt Ion: 70 Resp: 62523
Ion Ratio Lower Upper
70 100
42 51.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

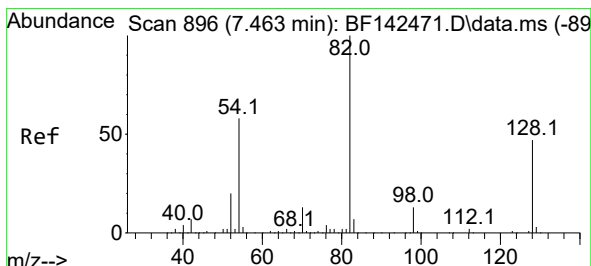
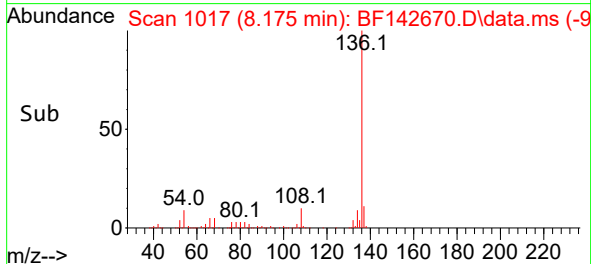
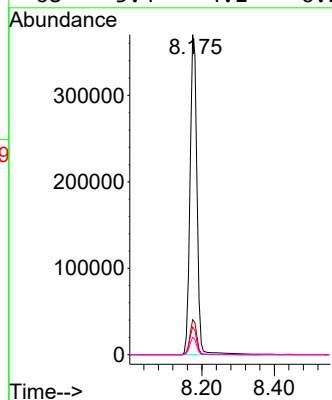
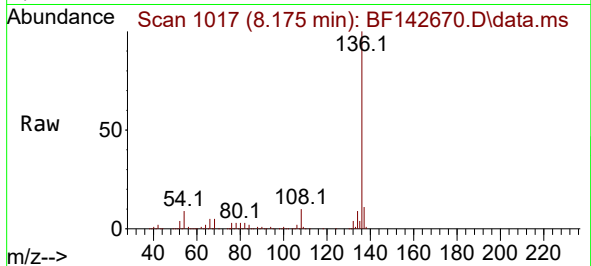




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

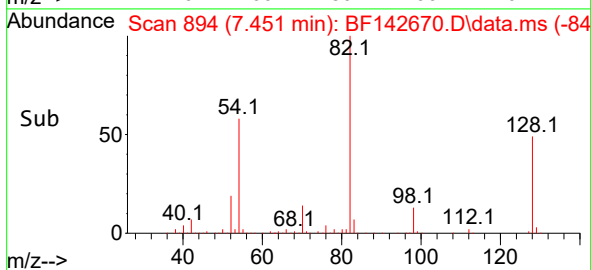
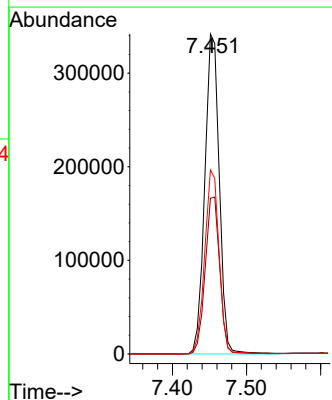
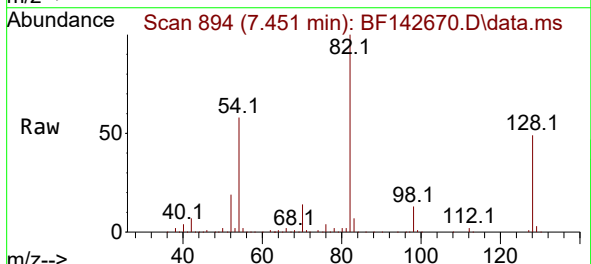
Instrument :
BNA_F
ClientSampleId :
TP-25

Tgt Ion:136 Resp: 491772
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.7 6.6 10.0
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 51.753 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

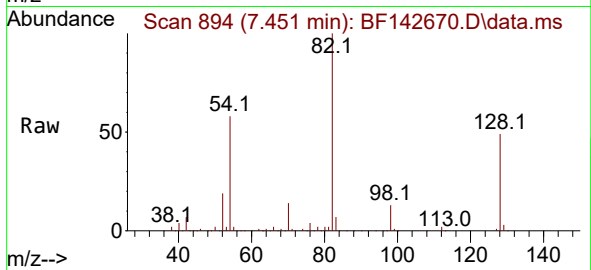
Tgt Ion: 82 Resp: 466738
Ion Ratio Lower Upper
82 100
128 48.6 37.4 56.2
54 57.5 46.6 70.0



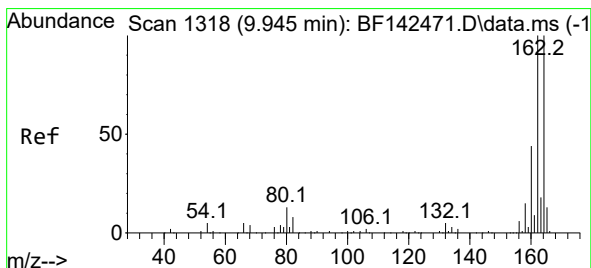
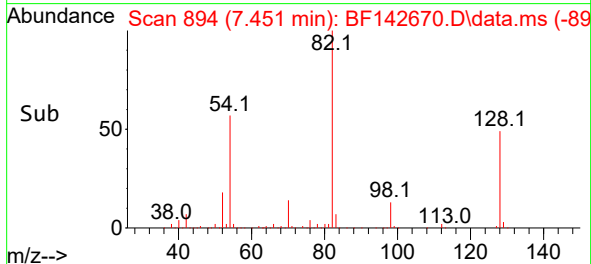
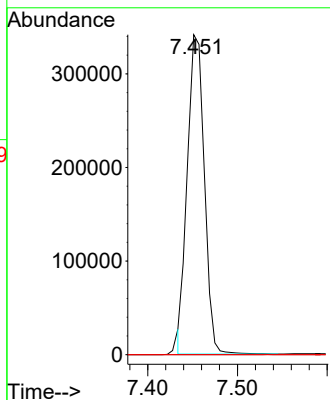


#25
Isophorone
Concen: 29.886 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

Instrument :
BNA_F
ClientSampleId :
TP-25

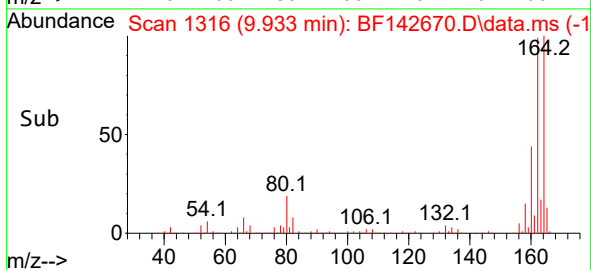
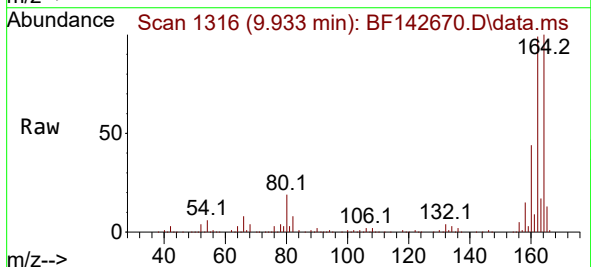
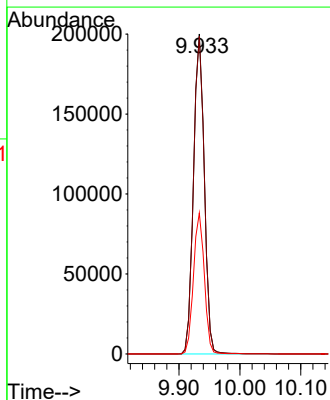


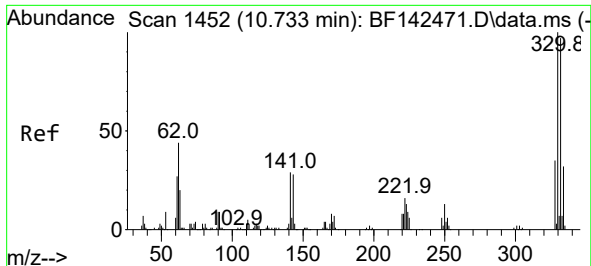
Tgt Ion: 82 Resp: 450639
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

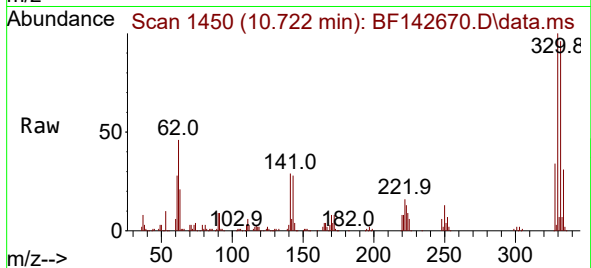
Tgt Ion:164 Resp: 246899
Ion Ratio Lower Upper
164 100
162 99.3 80.2 120.4
160 44.0 35.6 53.4



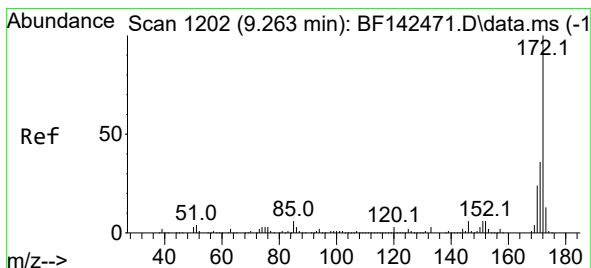
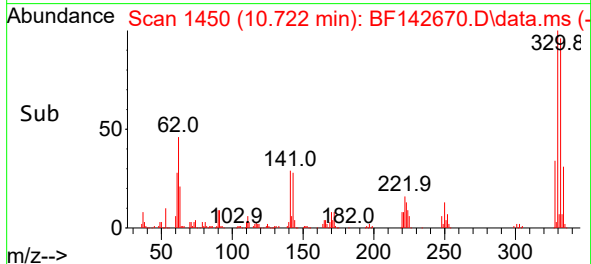
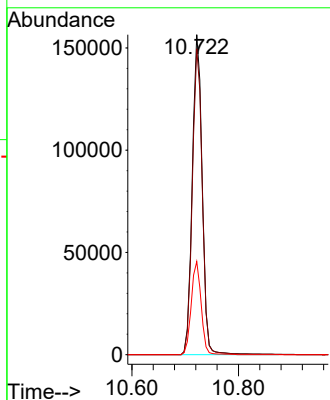


#42
2,4,6-Tribromophenol
Concen: 74.239 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

Instrument :
BNA_F
ClientSampleId :
TP-25

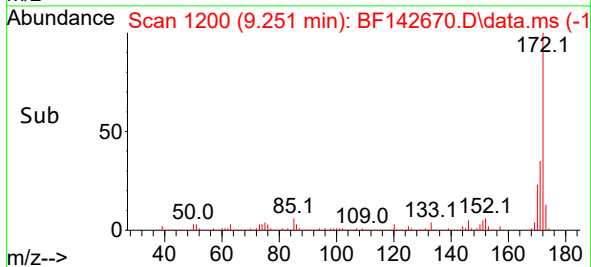
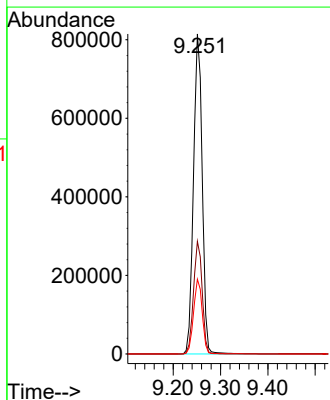
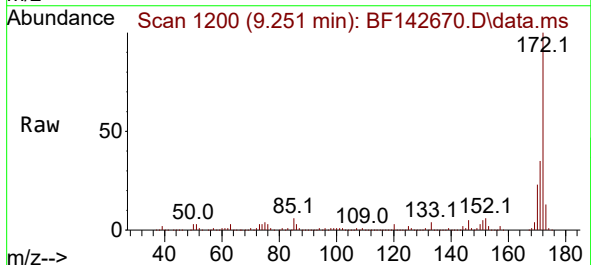


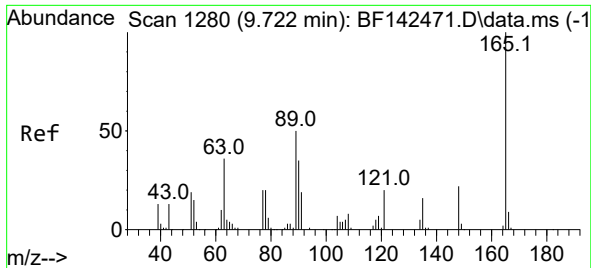
Tgt Ion: 330 Resp: 203434
Ion Ratio Lower Upper
330 100
332 95.6 77.6 116.4
141 28.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 56.714 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

Tgt Ion: 172 Resp: 1043520
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.4 18.9 28.3

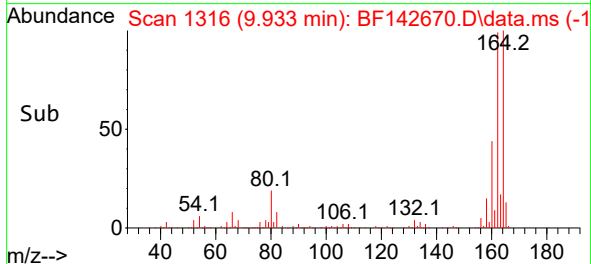
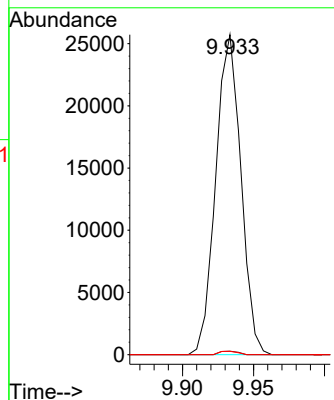
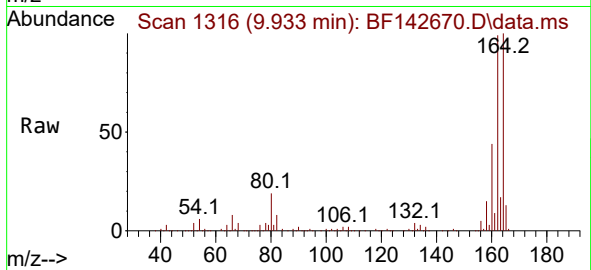




#51
2,6-Dinitrotoluene
Concen: 9.014 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

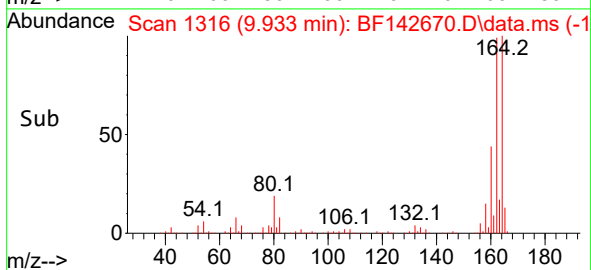
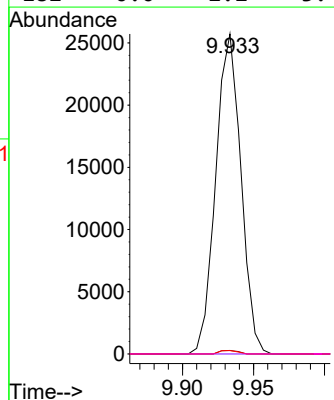
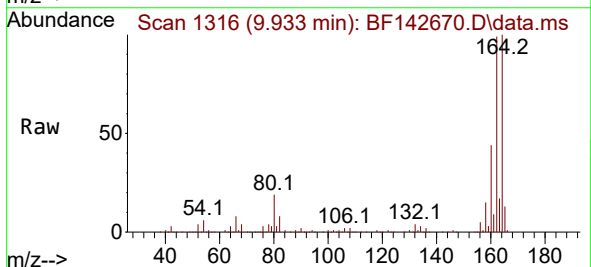
Instrument :
BNA_F
ClientSampleId :
TP-25

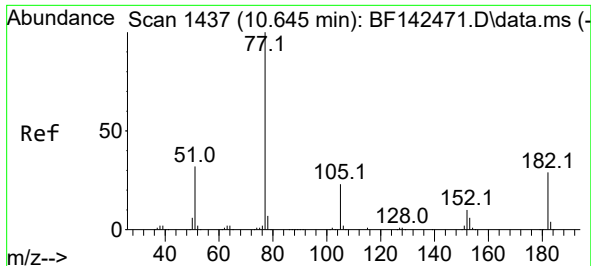
Tgt Ion:165 Resp: 31694
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.902 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

Tgt Ion:165 Resp: 31694
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#

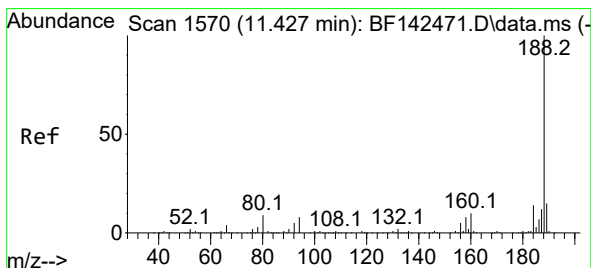
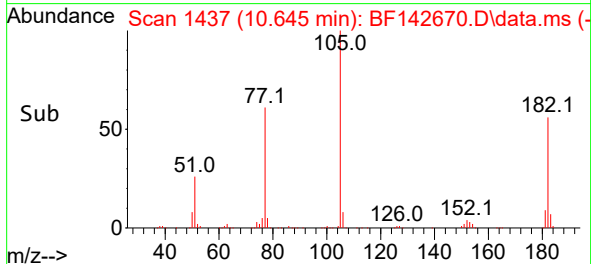
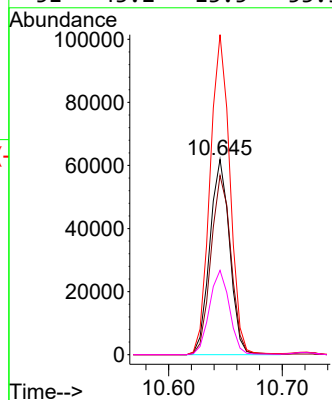
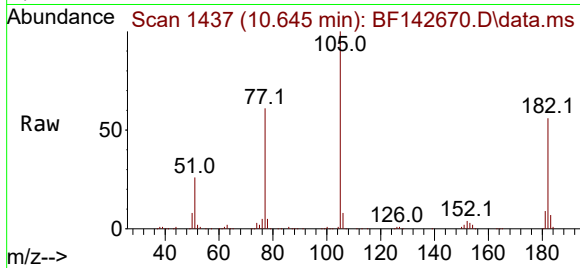




#63
Azobenzene
Concen: 5.292 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

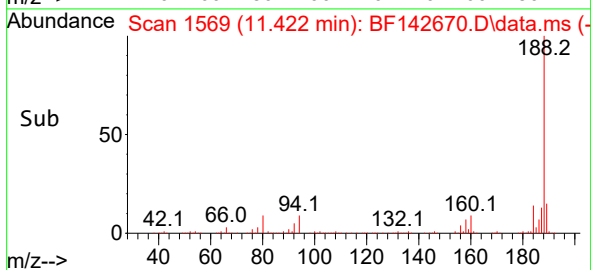
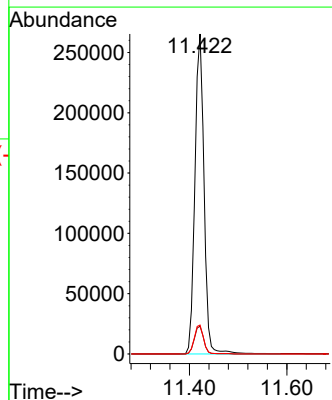
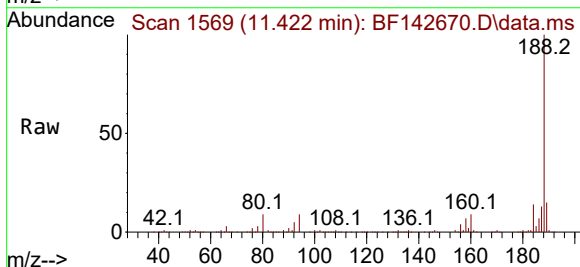
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BNA_F
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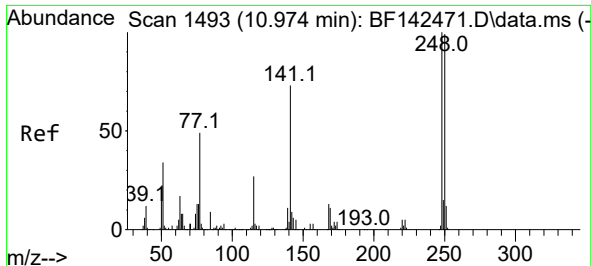
Tgt Ion: 77 Resp: 75625
Ion Ratio Lower Upper
77 100
182 91.8 9.0 49.0#
105 163.9 2.4 42.4#
51 43.2 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

Tgt Ion: 188 Resp: 346053
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.1 7.4 11.0

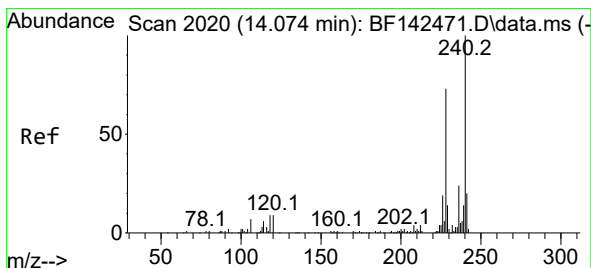
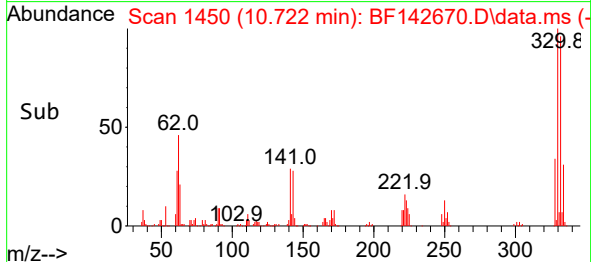
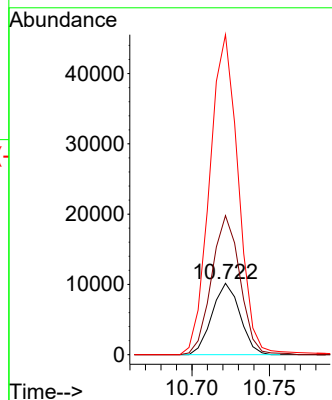
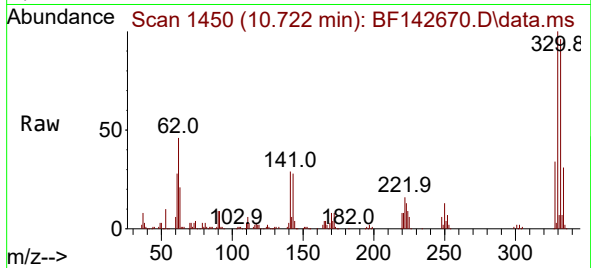




#67
4-Bromophenyl-phenylether
Concen: 3.118 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

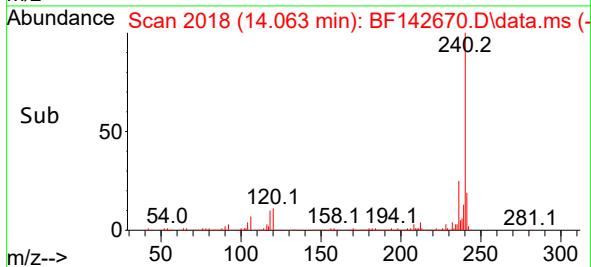
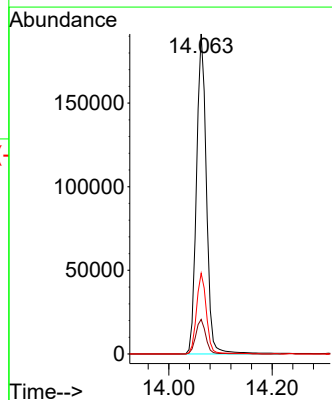
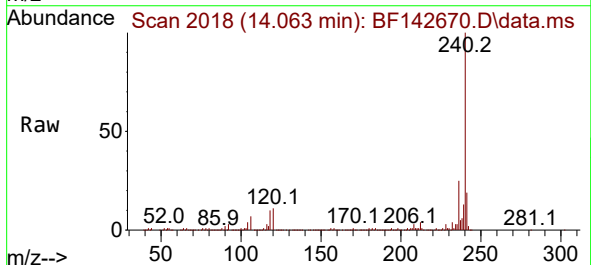
Instrument :
BNA_F
ClientSampleId :
TP-25

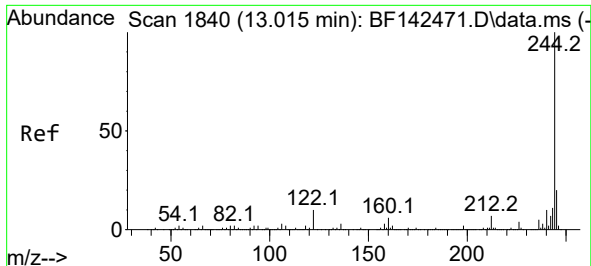
Tgt Ion:248 Resp: 12757
Ion Ratio Lower Upper
248 100
250 194.9 79.0 118.4#
141 448.5 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142670.D
Acq: 07 Jun 2025 04:38

Tgt Ion:240 Resp: 255092
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.2 19.6 29.4

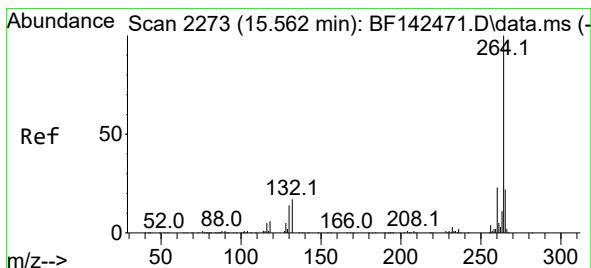
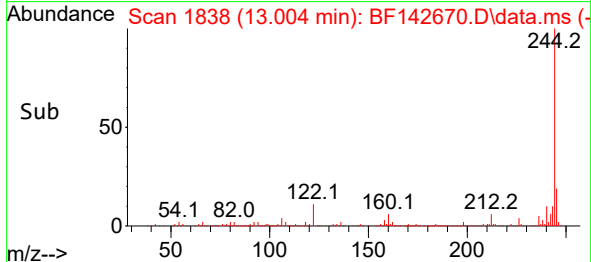
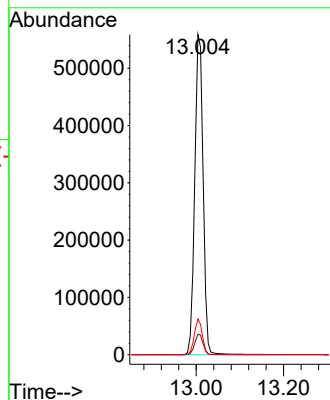
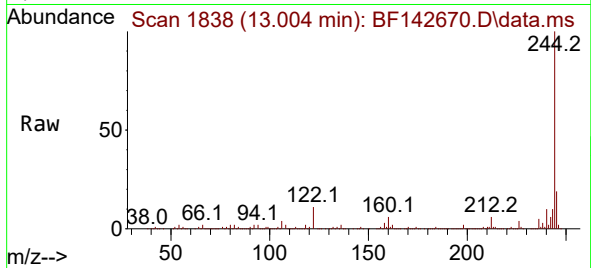




#79
 Terphenyl-d14
 Concen: 39.898 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142670.D
 Acq: 07 Jun 2025 04:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-25

Tgt Ion:244 Resp: 744772
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 11.1 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: BF142670.D
 Acq: 07 Jun 2025 04:38

Tgt Ion:264 Resp: 288040
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.8 17.7 26.5

