

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142820.D
 Acq On : 24 Jun 2025 15:28
 Operator : RC/JU
 Sample : Q2372-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GAV1W

Quant Time: Jun 24 15:50:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

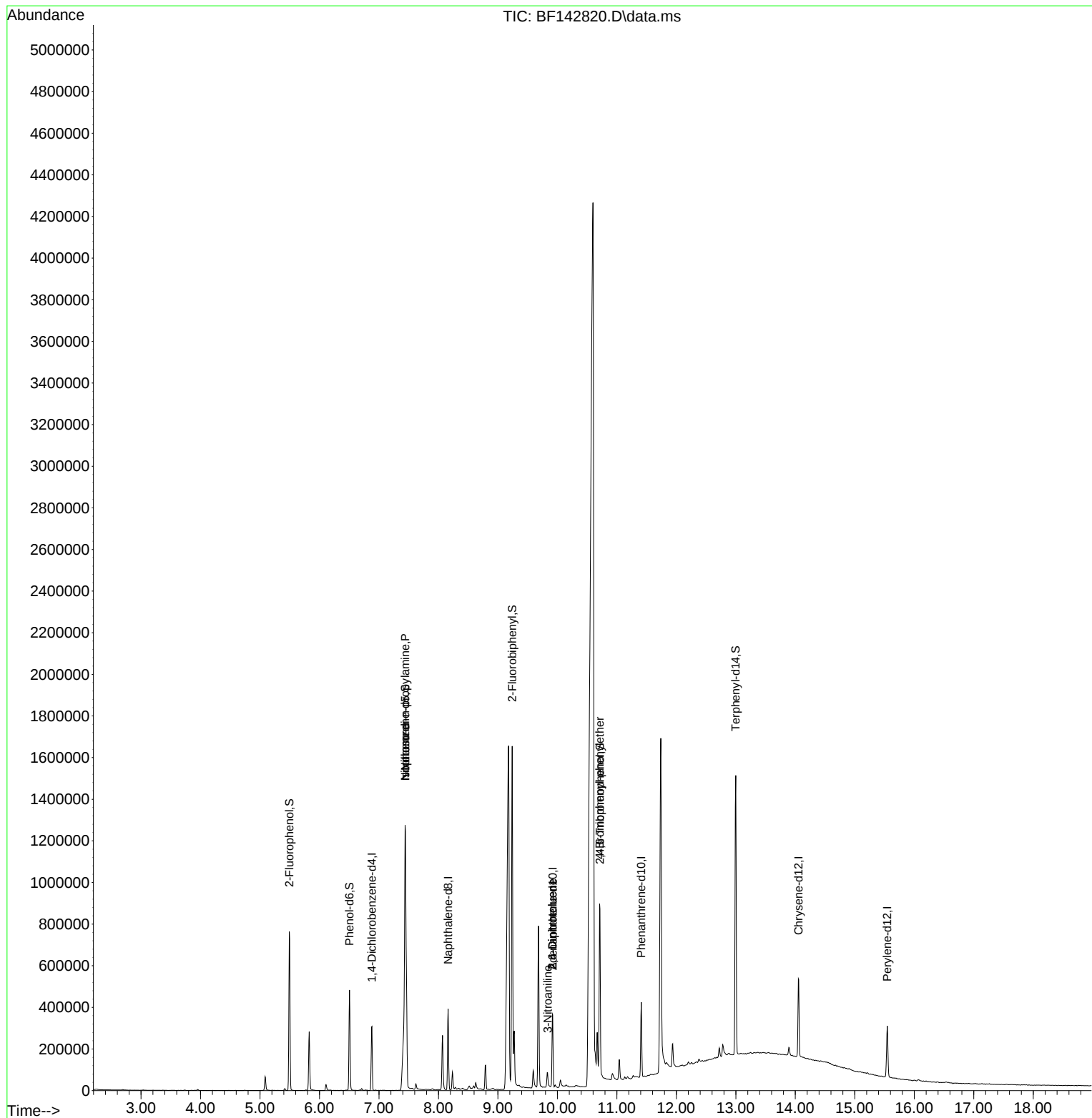
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	69183	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	242235	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	106484	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	179849	20.000	ng	0.00
76) Chrysene-d12	14.057	240	193130	20.000	ng	0.00
86) Perylene-d12	15.545	264	144569	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	293375	70.602	ng	0.00
7) Phenol-d6	6.504	99	215123	43.881	ng	0.00
23) Nitrobenzene-d5	7.440	82	363253	82.254	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	145109	132.424	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	713214	87.988	ng	0.00
79) Terphenyl-d14	12.998	244	663563	47.473	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	50147	17.587	ng	# 75
25) Isophorone	7.440	82	361756	51.064	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	13789	9.109	ng	# 29
53) 3-Nitroaniline	9.839	138	7537	4.522	ng	# 5
57) 2,4-Dinitrotoluene	9.916	165	13789	6.858	ng	# 30
67) 4-Bromophenyl-phenylether	10.710	248	9647	4.713	ng	# 1

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

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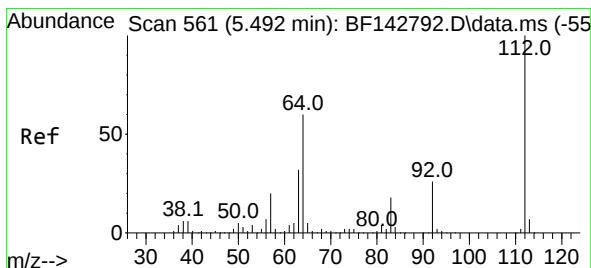
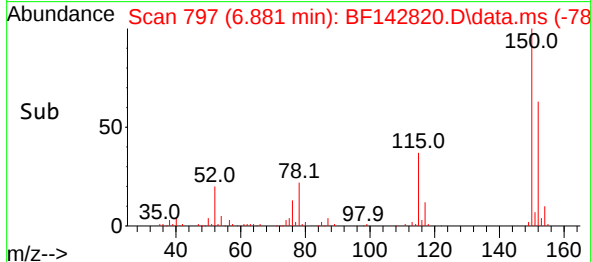
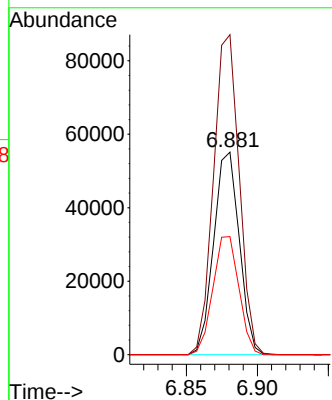
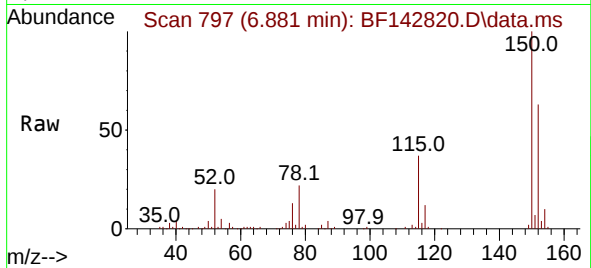




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

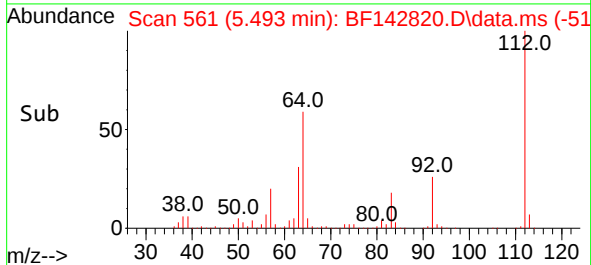
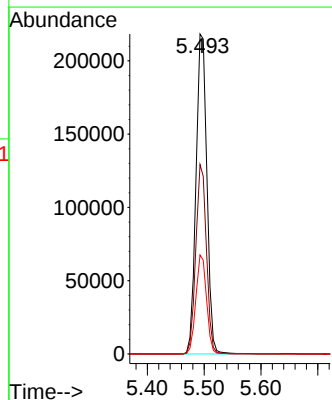
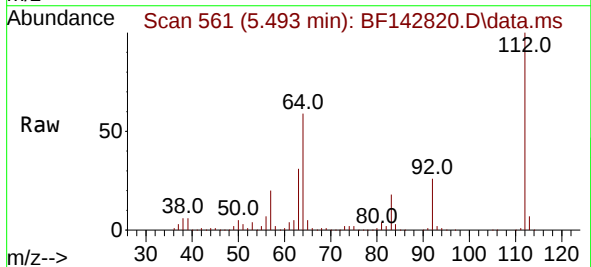
Instrument :
BNA_F
ClientSampleId :
GAV1W

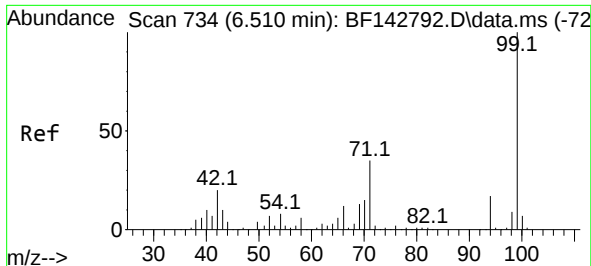
Tgt Ion:152 Resp: 69183
Ion Ratio Lower Upper
152 100
150 158.0 127.2 190.8
115 58.3 46.6 69.8



#5
2-Fluorophenol
Concen: 70.602 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Tgt Ion:112 Resp: 293375
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.2
63 31.0 25.7 38.5

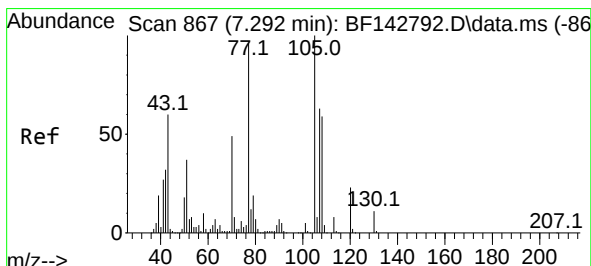
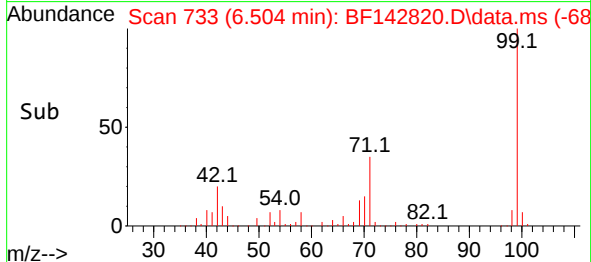
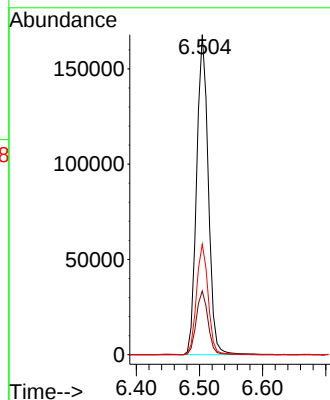
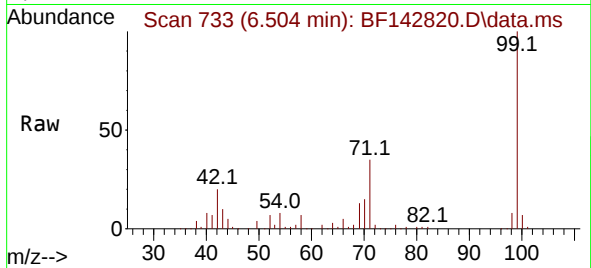




#7
Phenol-d6
Concen: 43.881 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

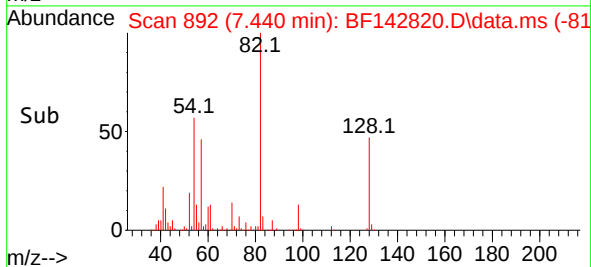
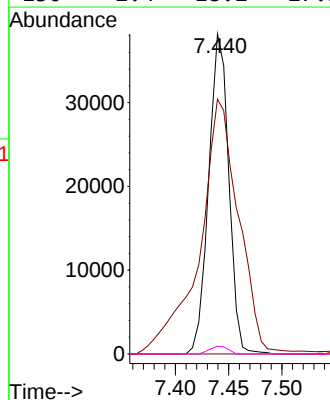
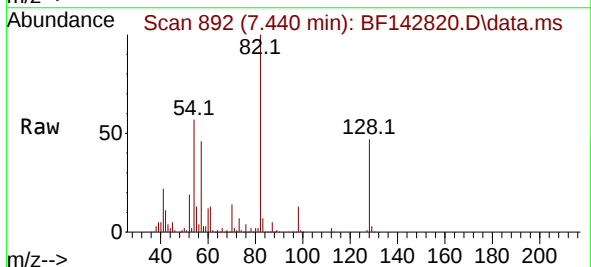
Instrument :
BNA_F
ClientSampleId :
GAV1W

Tgt Ion: 99 Resp: 215123
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 34.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.587 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Tgt Ion: 70 Resp: 50147
Ion Ratio Lower Upper
70 100
42 79.7 52.1 78.1#
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#



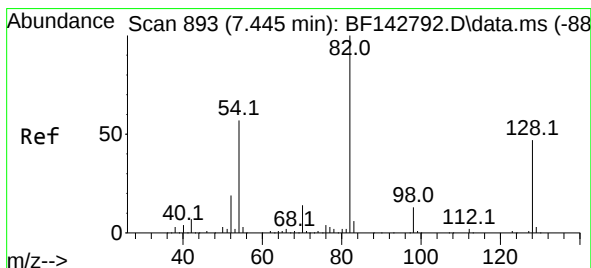
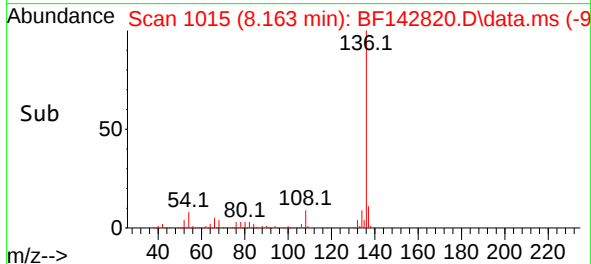
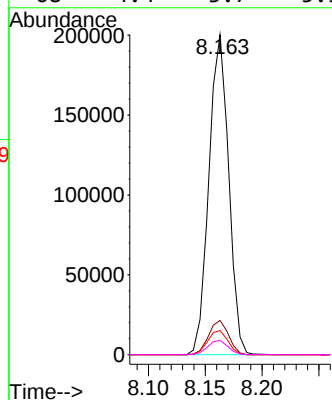
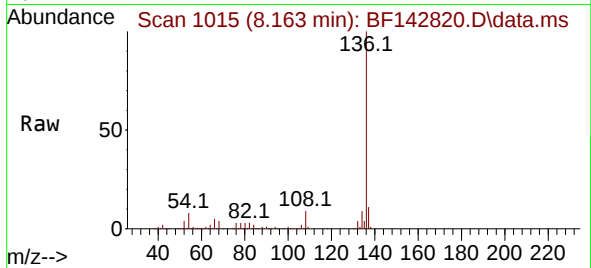


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Instrument :
BNA_F
ClientSampleId :
GAV1W

Tgt Ion:136 Resp: 242235

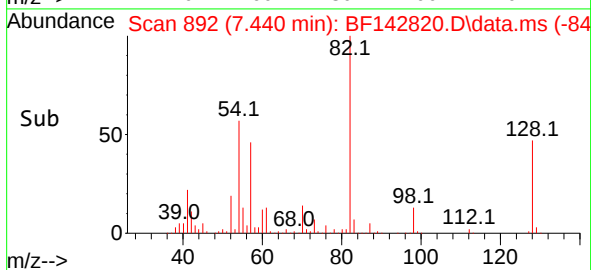
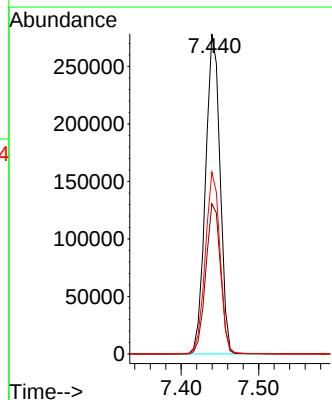
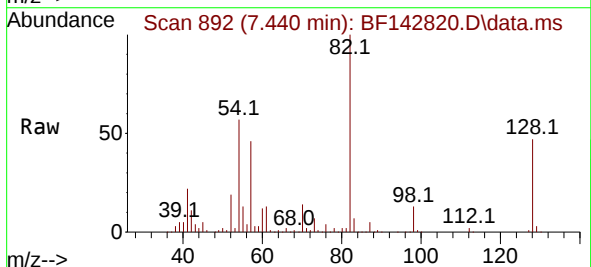
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.6	6.3	9.5
68	4.4	3.7	5.5



#23
Nitrobenzene-d5
Concen: 82.254 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Tgt Ion: 82 Resp: 363253

Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.7	56.5
54	56.8	45.7	68.5

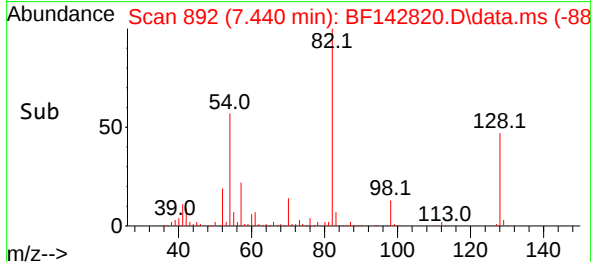
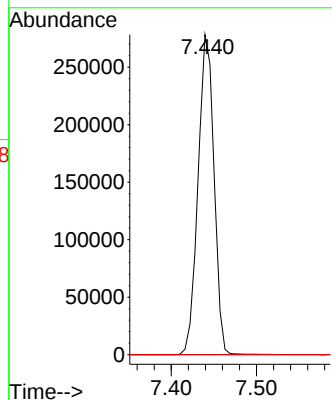
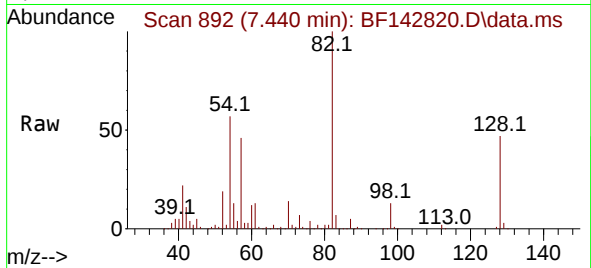




#25
Isophorone
Concen: 51.064 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

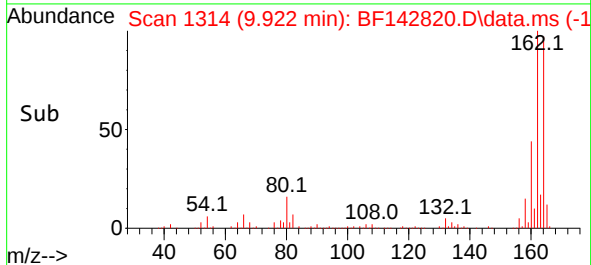
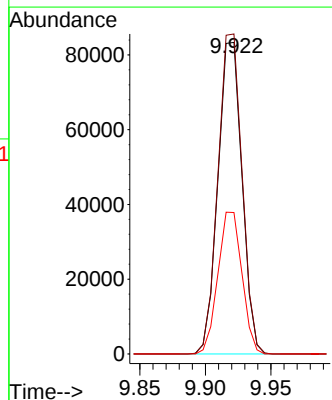
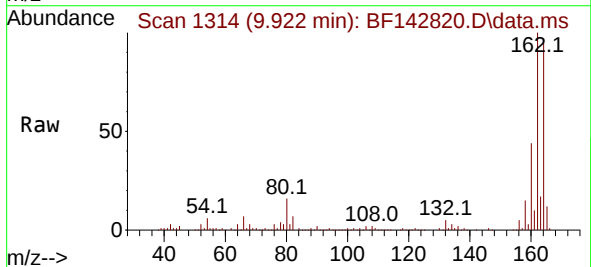
Instrument :
BNA_F
ClientSampleId :
GAV1W

Tgt Ion: 82 Resp: 361756
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

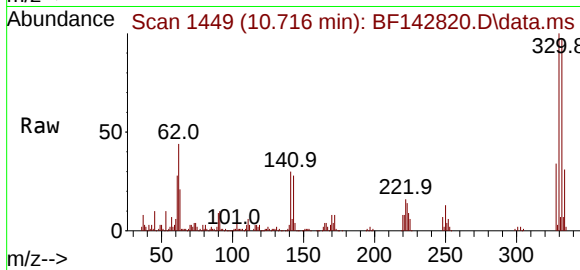
Tgt Ion:164 Resp: 106484
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.8
160 45.4 36.0 54.0



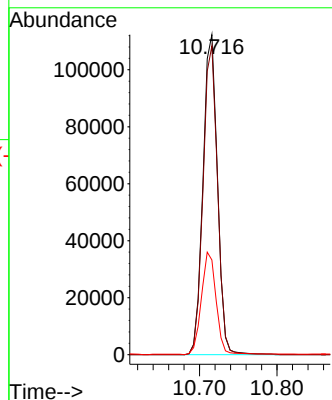
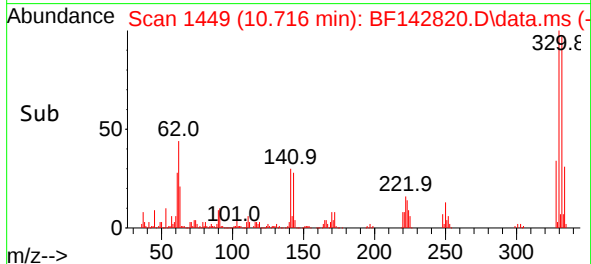


#42
2,4,6-Tribromophenol
Concen: 132.424 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Instrument :
BNA_F
ClientSampleId :
GAV1W

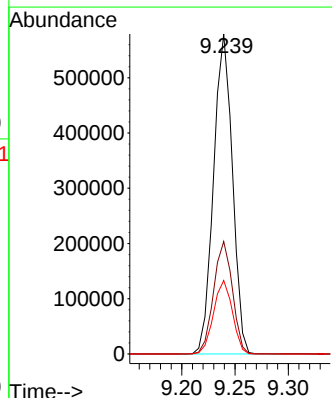
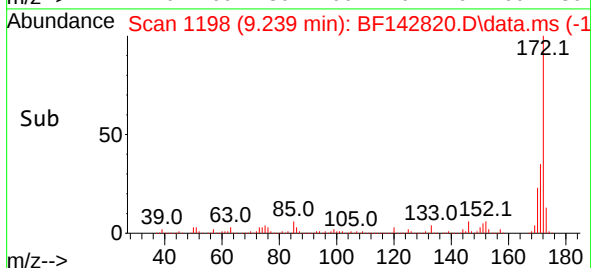
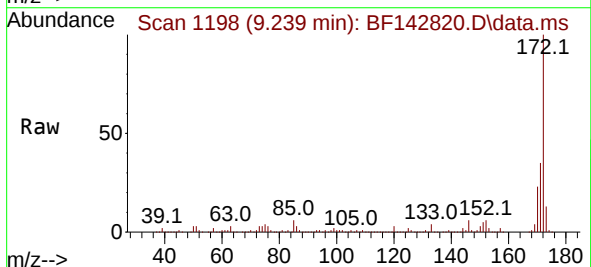


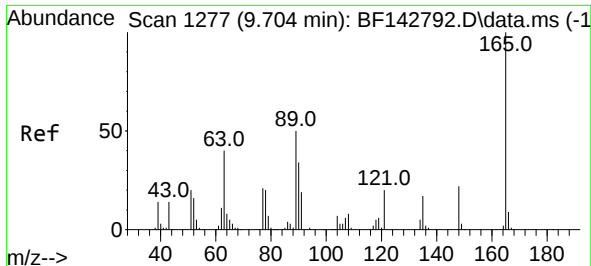
Tgt Ion:330 Resp: 145109
Ion Ratio Lower Upper
330 100
332 96.8 75.0 112.6
141 33.3 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 87.988 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Tgt Ion:172 Resp: 713214
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.0 18.5 27.7

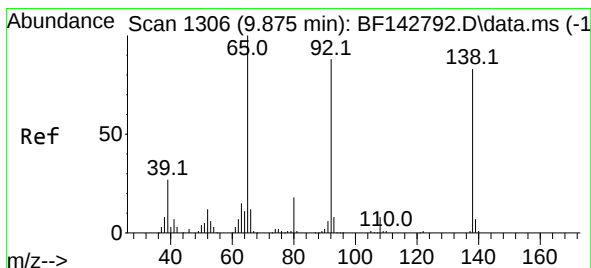
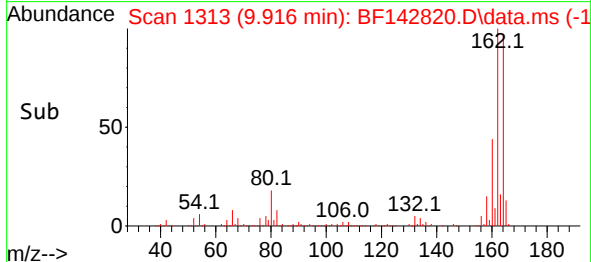
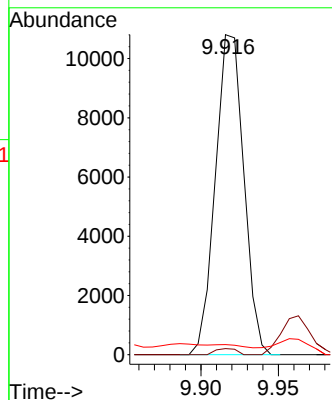
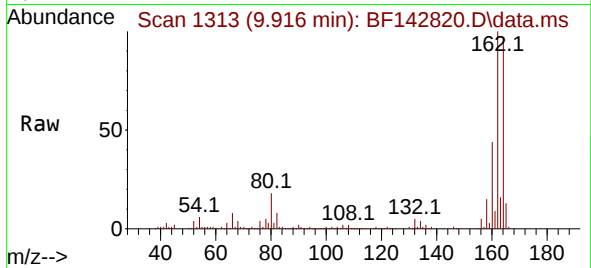




#51
2,6-Dinitrotoluene
Concen: 9.109 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

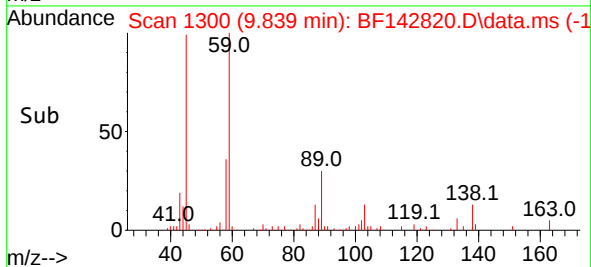
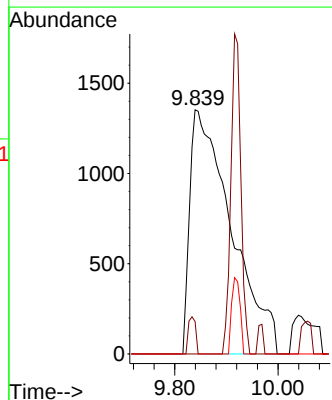
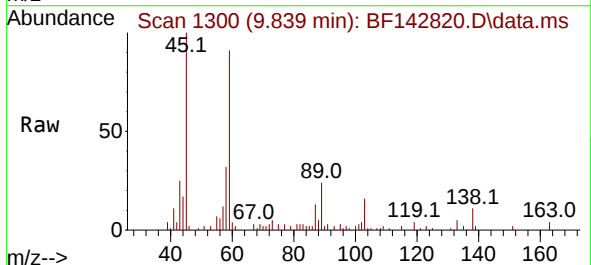
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BNA_F
ClientSampleId :
GAV1W

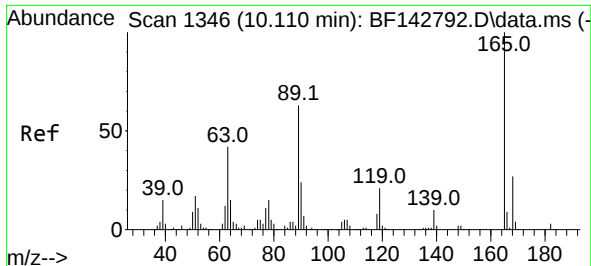
Tgt Ion:165 Resp: 13789
Ion Ratio Lower Upper
165 100
63 1.9 44.2 66.4#
89 3.2 39.8 59.8#



#53
3-Nitroaniline
Concen: 4.522 ng
RT: 9.839 min Scan# 1300
Delta R.T. -0.035 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Tgt Ion:138 Resp: 7537
Ion Ratio Lower Upper
138 100
108 13.3 8.1 12.1#
92 0.0 85.1 127.7#

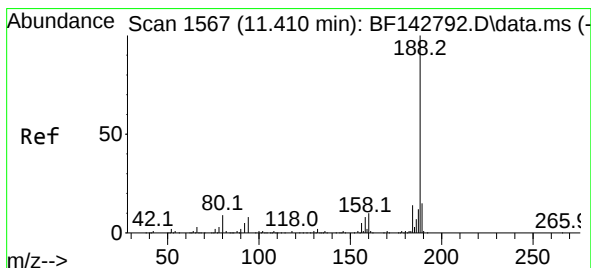
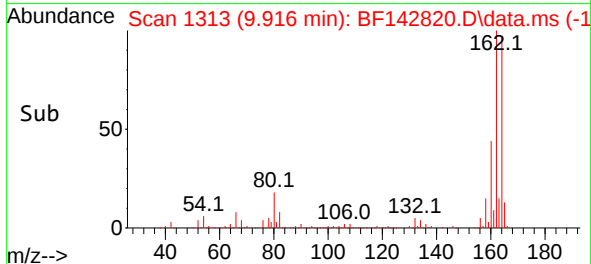
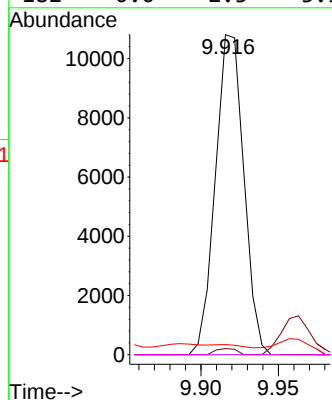
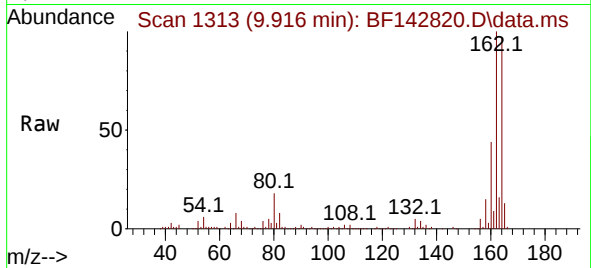




#57
2,4-Dinitrotoluene
Concen: 6.858 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

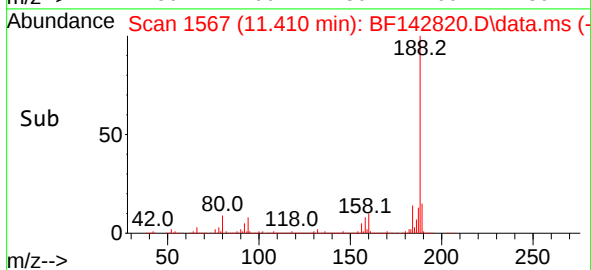
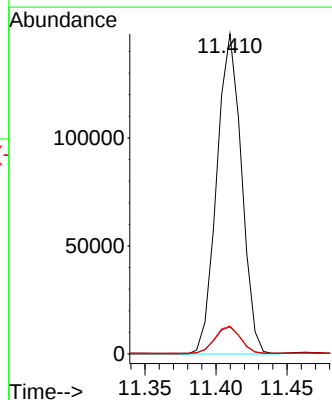
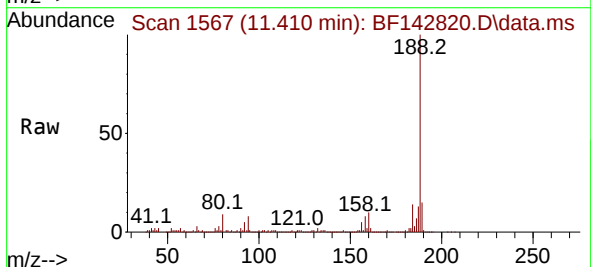
Instrument :
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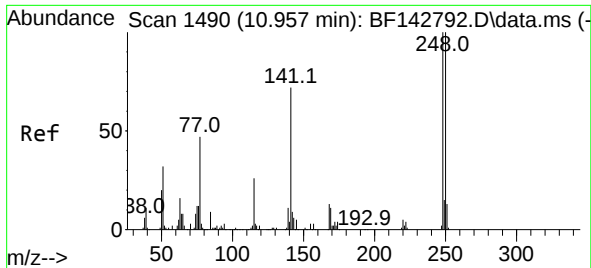
Tgt Ion:165 Resp: 13789
Ion Ratio Lower Upper
165 100
63 1.9 33.9 50.9#
89 3.2 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Tgt Ion:188 Resp: 179849
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 8.7 6.9 10.3

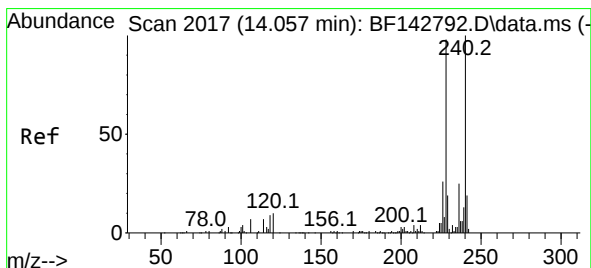
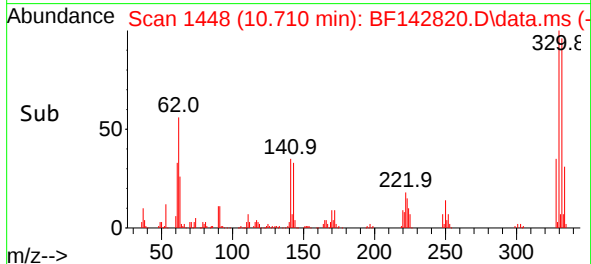
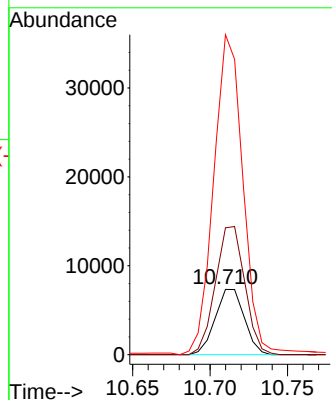
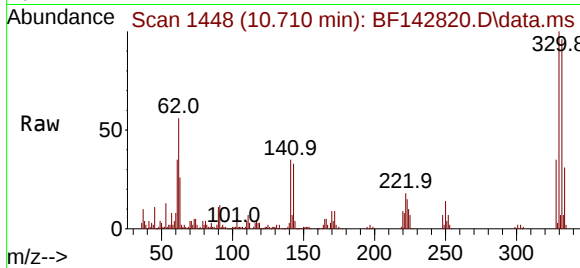




#67
4-Bromophenyl-phenylether
Concen: 4.713 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

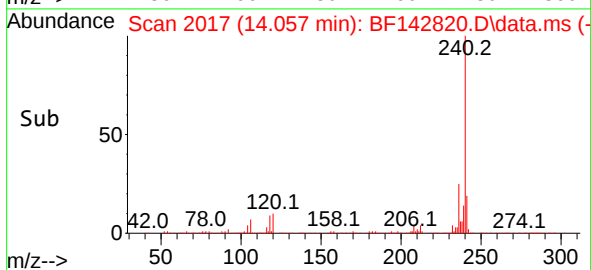
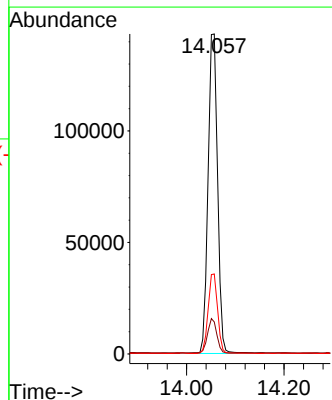
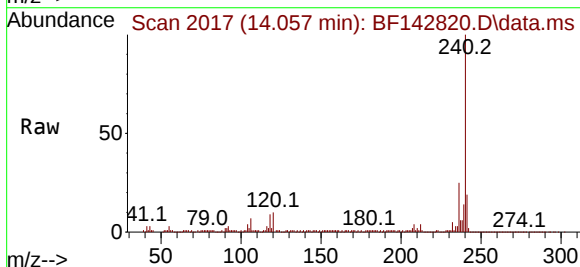
Instrument :
BNA_F
ClientSampleId :
GAV1W

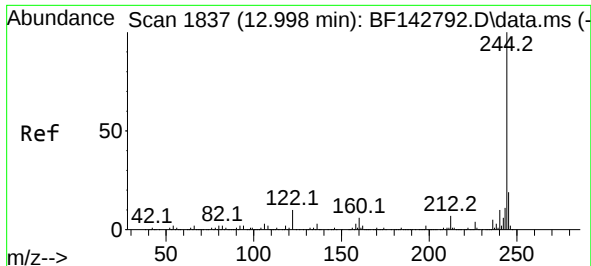
Tgt Ion:248 Resp: 9647
Ion Ratio Lower Upper
248 100
250 194.1 79.8 119.8#
141 489.7 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142820.D
Acq: 24 Jun 2025 15:28

Tgt Ion:240 Resp: 193130
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 25.0 19.8 29.8

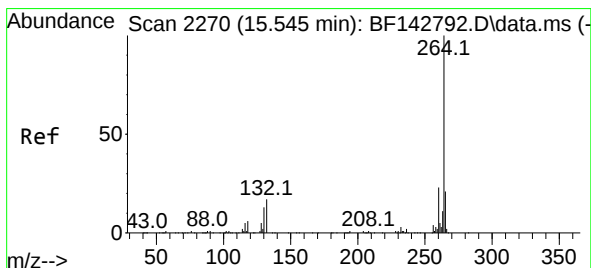
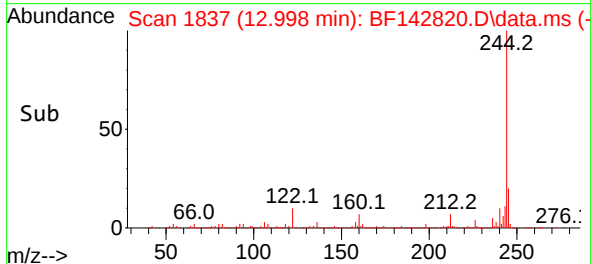
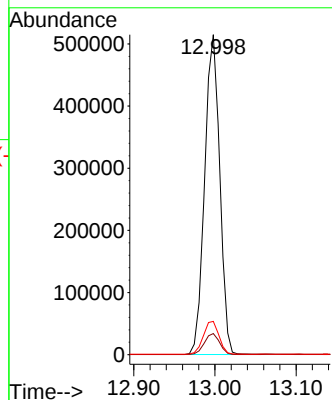
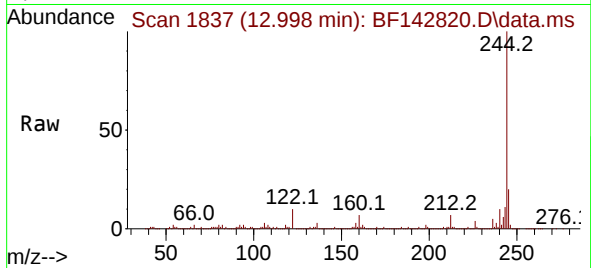




#79
 Terphenyl-d14
 Concen: 47.473 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.000 min
 Lab File: BF142820.D
 Acq: 24 Jun 2025 15:28

Instrument :
 BNA_F
 ClientSampleId :
 GAV1W

Tgt Ion:244 Resp: 663563
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.4 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF142820.D
 Acq: 24 Jun 2025 15:28

Tgt Ion:264 Resp: 144569
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.1 27.1
 265 21.2 16.6 25.0

