

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140171.D
 Acq On : 30 Oct 2024 21:17
 Operator : RC/JU
 Sample : P4594-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F16

Quant Time: Nov 01 02:19:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

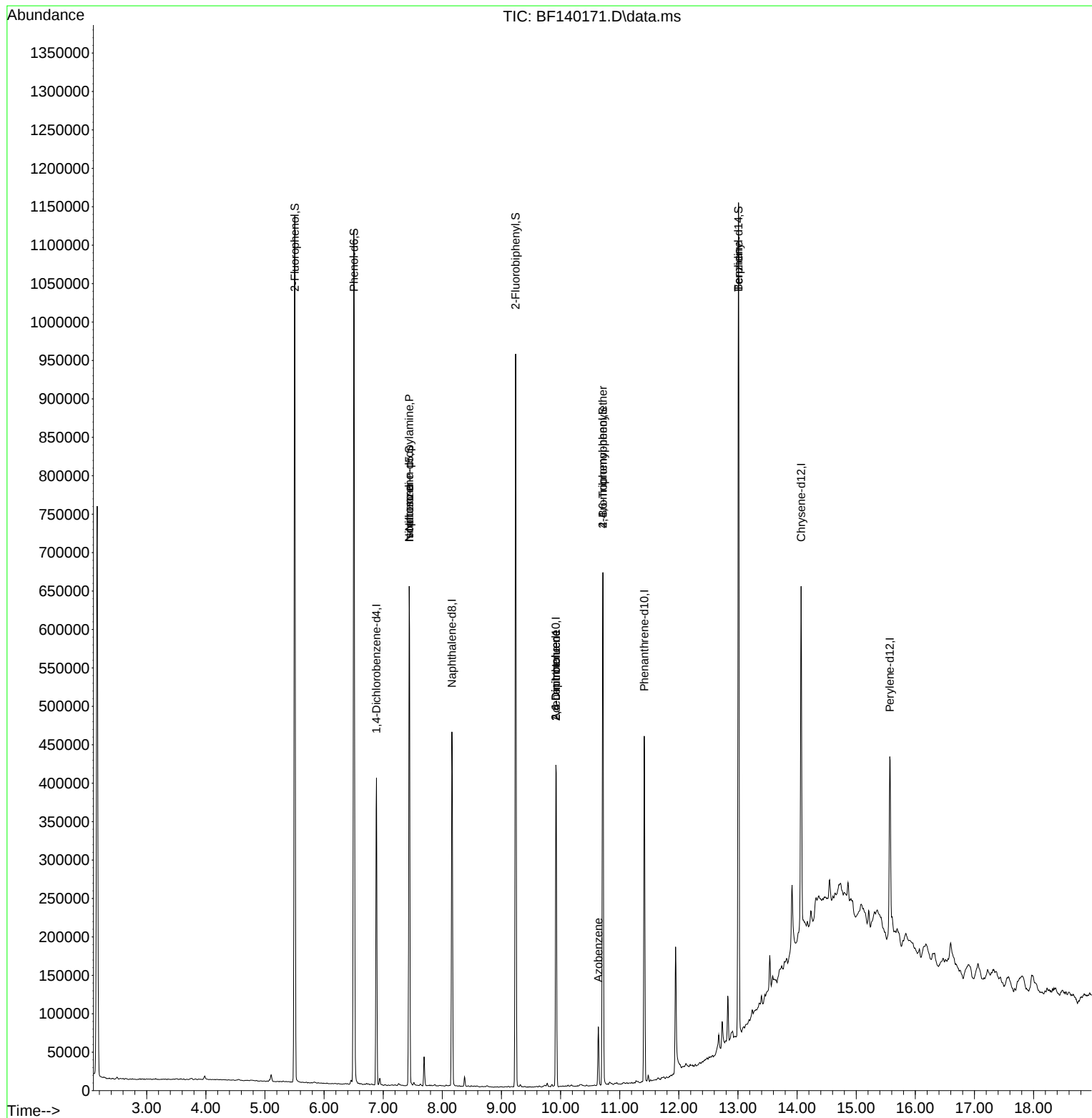
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	79642	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	271621	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	124516	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	233799	20.000	ng	0.00
76) Chrysene-d12	14.068	240	205973	20.000	ng	0.02
86) Perylene-d12	15.568	264	145782	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	399529	78.534	ng	0.00
7) Phenol-d6	6.504	99	484045	73.463	ng	0.00
23) Nitrobenzene-d5	7.439	82	275281	56.170	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	106705	91.617	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	404102	53.636	ng	-0.01
79) Terphenyl-d14	13.010	244	519078	41.065	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	36941	9.244	ng	# 77
25) Isophorone	7.439	82	275279	29.594	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	16344	9.733	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	16344	7.914	ng	# 21
63) Azobenzene	10.639	77	18905	2.342	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	7597	3.154	ng	# 1
77) Benzidine	13.010	184	7717	2.278	ng	# 92

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

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QLast Update : Fri Oct 18 15:07:50 2024
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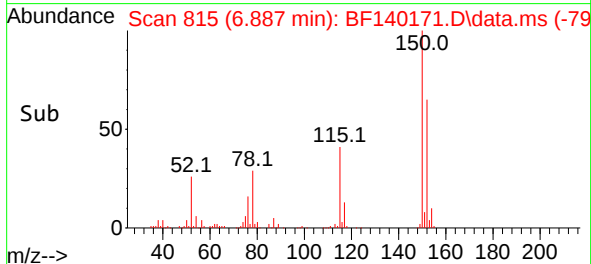
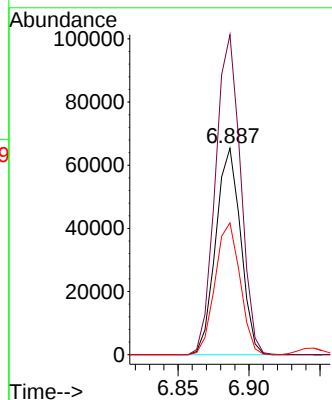
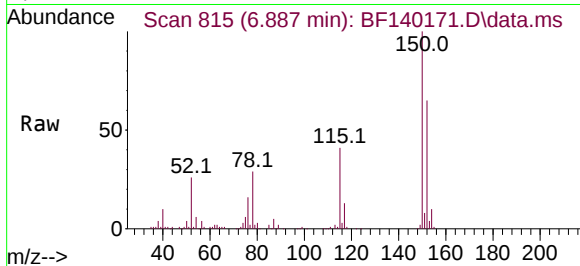




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

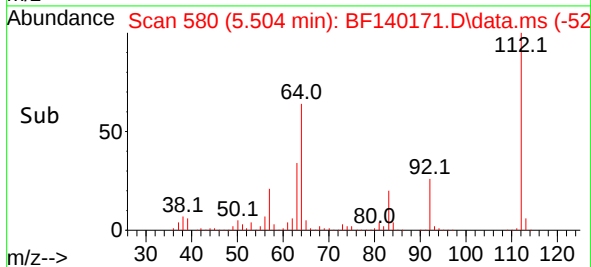
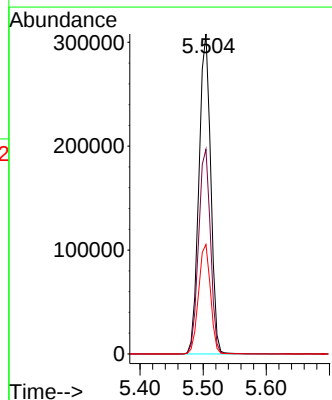
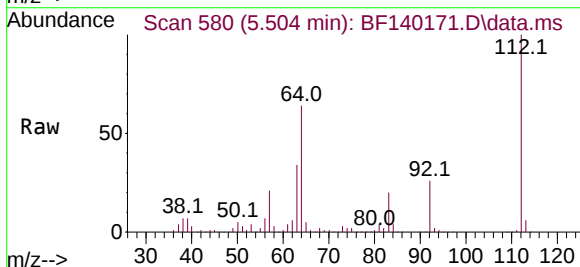
Instrument :
BNA_F
ClientSampleId :
BP-F16

Tgt Ion:152 Resp: 79642
Ion Ratio Lower Upper
152 100
150 155.0 130.2 195.2
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 78.534 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

Tgt Ion:112 Resp: 399529
Ion Ratio Lower Upper
112 100
64 63.9 53.0 79.6
63 34.2 27.0 40.4

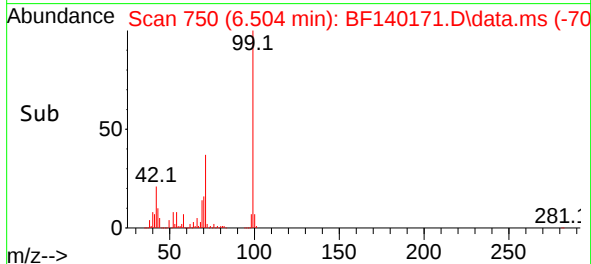
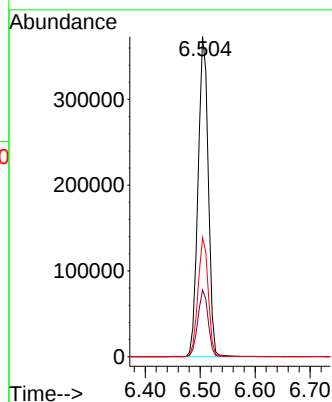
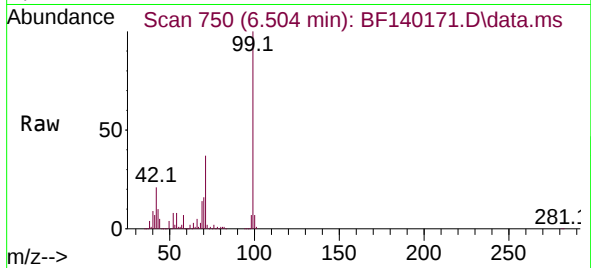




#7
Phenol-d6
Concen: 73.463 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

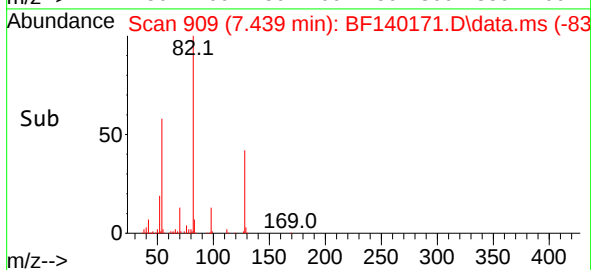
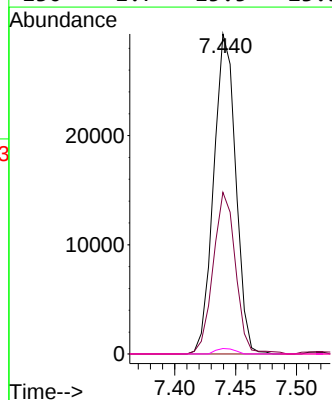
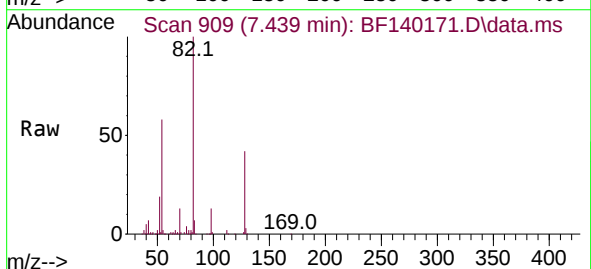
Instrument :
BNA_F
ClientSampleId :
BP-F16

Tgt Ion: 99 Resp: 484045
Ion Ratio Lower Upper
99 100
42 20.9 16.7 25.1
71 37.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.244 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

Tgt Ion: 70 Resp: 36941
Ion Ratio Lower Upper
70 100
42 50.5 51.5 77.3#
101 0.0 7.5 11.3#
130 1.7 15.5 23.3#

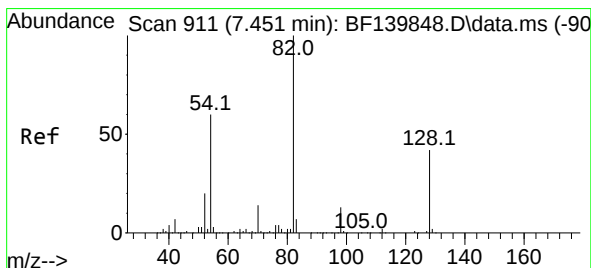
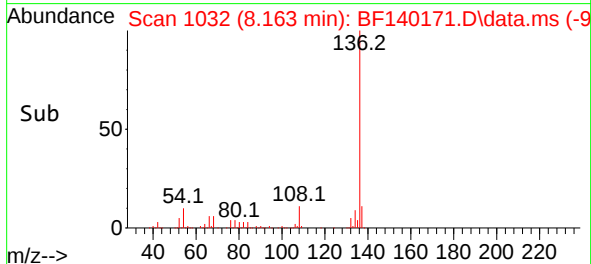
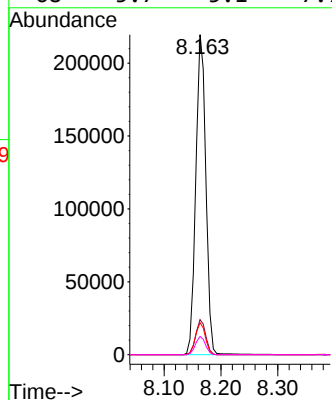
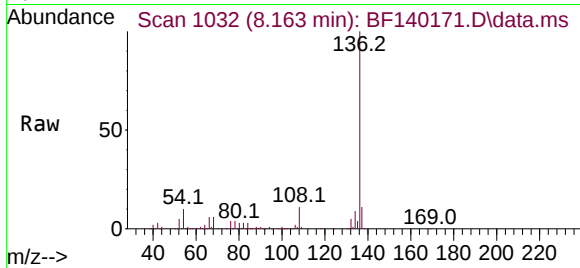




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

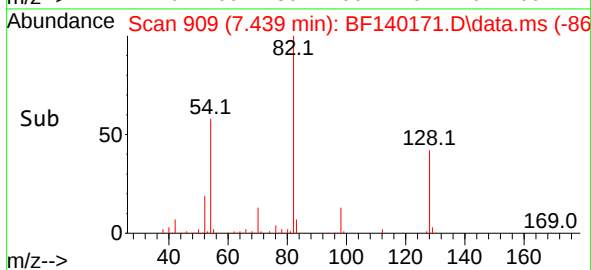
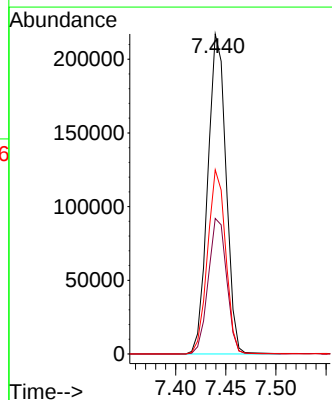
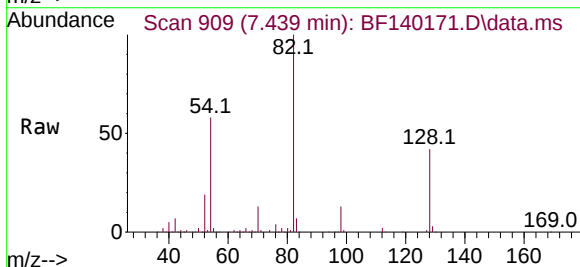
Instrument :
BNA_F
ClientSampleId :
BP-F16

Tgt Ion:136 Resp: 271621
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.0 8.4 12.6
68 5.7 5.1 7.7



#23
Nitrobenzene-d5
Concen: 56.170 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

Tgt Ion: 82 Resp: 275281
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.0
54 57.5 47.8 71.8

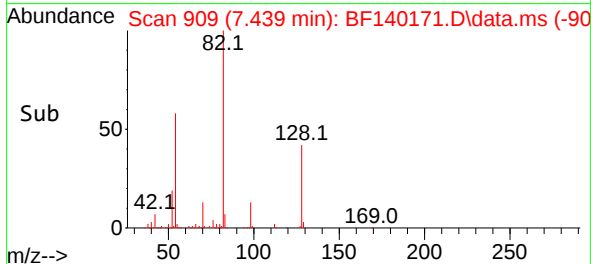
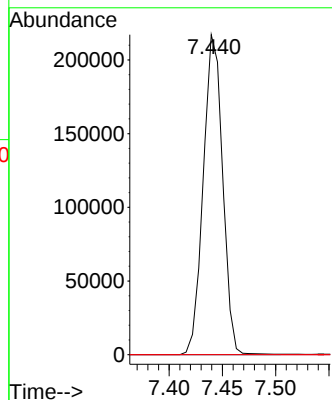
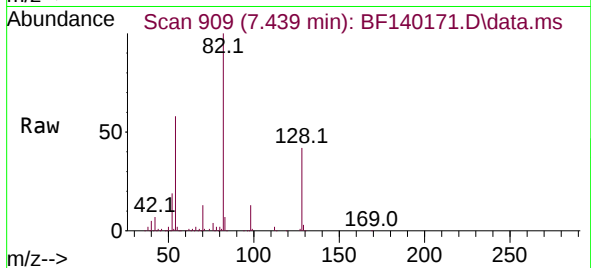




#25
Isophorone
Concen: 29.594 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.270 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

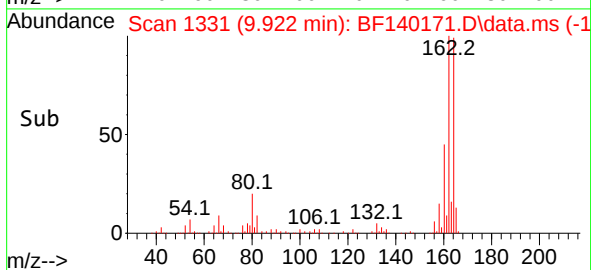
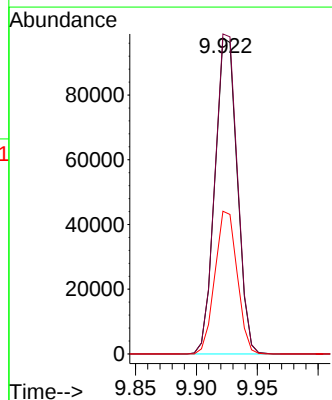
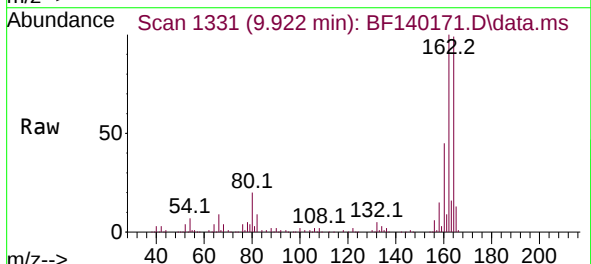
Instrument :
BNA_F
ClientSampleId :
BP-F16

Tgt Ion: 82 Resp: 275279
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

Tgt Ion:164 Resp: 124516
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 45.2 35.4 53.0

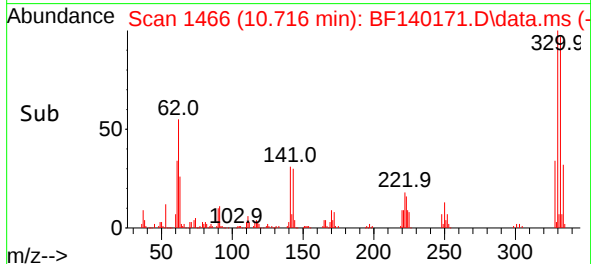
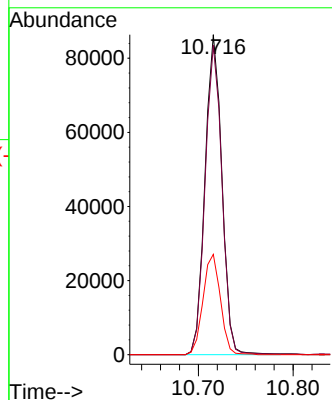
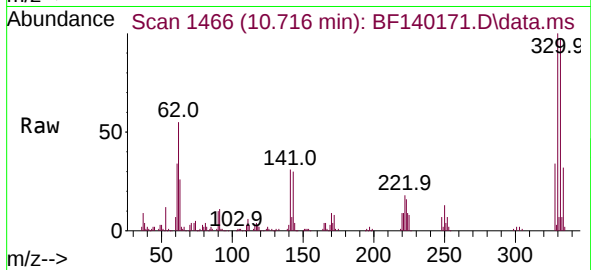




#42
2,4,6-Tribromophenol
Concen: 91.617 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

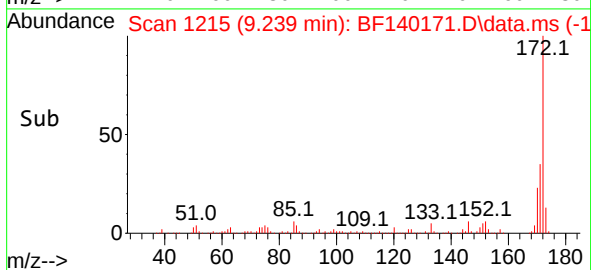
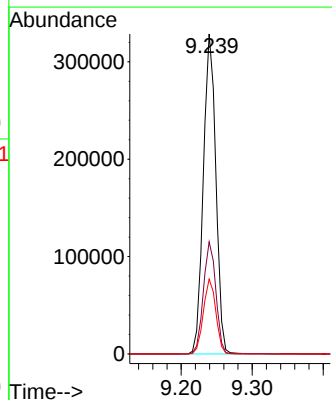
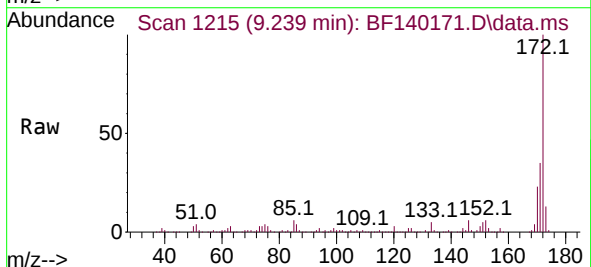
Instrument :
BNA_F
ClientSampleId :
BP-F16

Tgt Ion:330 Resp: 106705
Ion Ratio Lower Upper
330 100
332 96.7 78.1 117.1
141 32.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 53.636 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

Tgt Ion:172 Resp: 404102
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.4 19.1 28.7

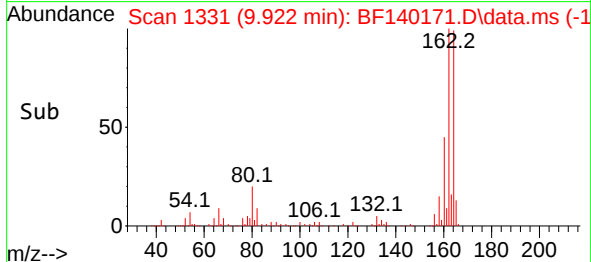
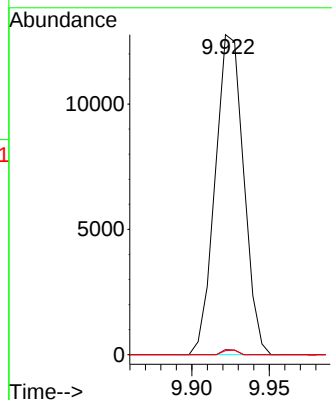
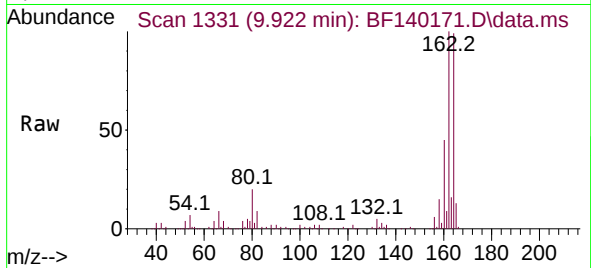




#51
2,6-Dinitrotoluene
Concen: 9.733 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

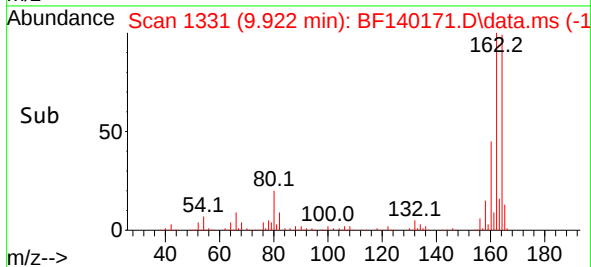
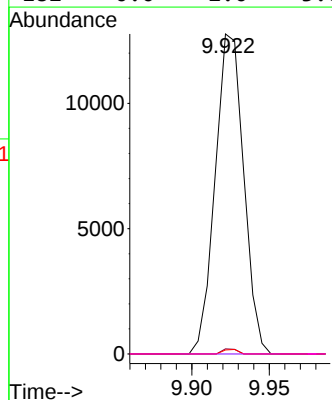
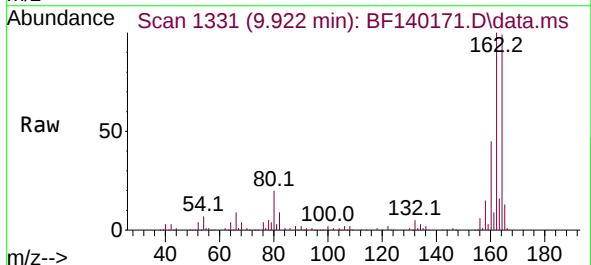
Instrument :
BNA_F
ClientSampleId :
BP-F16

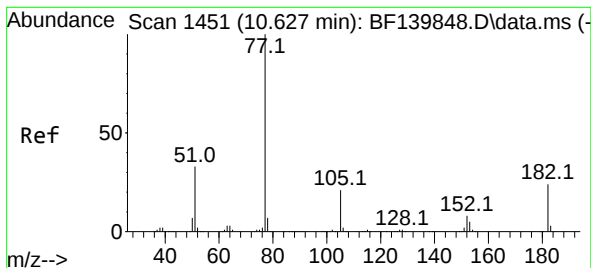
Tgt Ion:165 Resp: 16344
Ion Ratio Lower Upper
165 100
63 1.6 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.914 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

Tgt Ion:165 Resp: 16344
Ion Ratio Lower Upper
165 100
63 1.6 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.342 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF140171.D

Acq: 30 Oct 2024 21:17

Instrument :

BNA_F

ClientSampleId :

BP-F16

Tgt Ion: 77 Resp: 18905

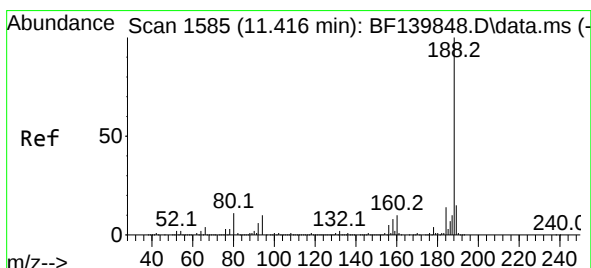
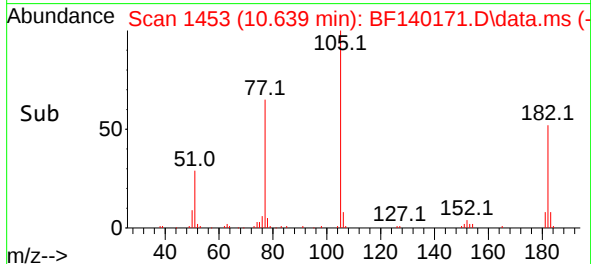
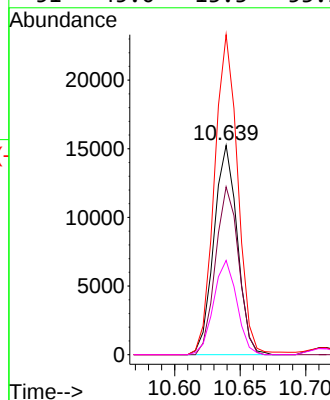
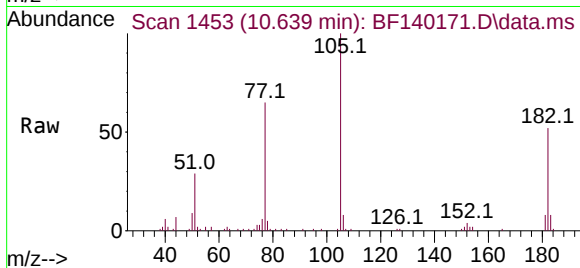
Ion Ratio Lower Upper

77 100

182 80.1 3.3 43.3#

105 152.8 1.2 41.2#

51 45.0 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140171.D

Acq: 30 Oct 2024 21:17

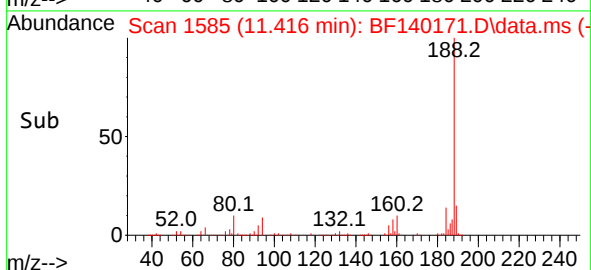
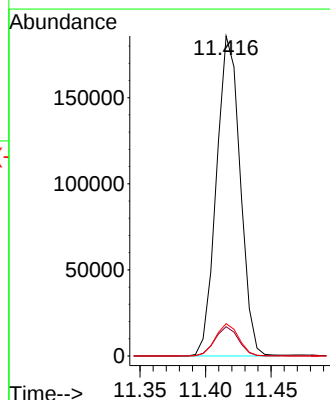
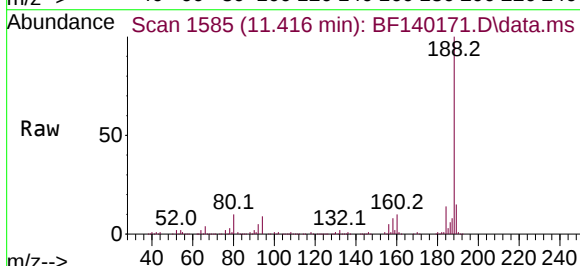
Tgt Ion:188 Resp: 233799

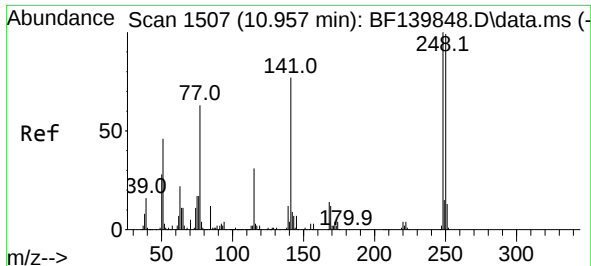
Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

80 10.1 9.0 13.4

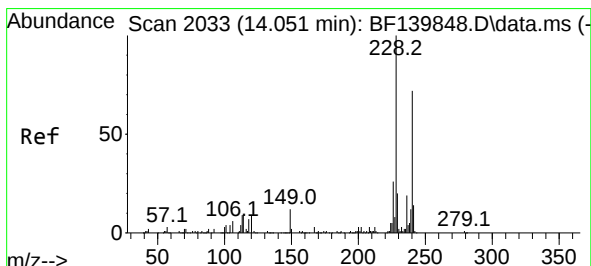
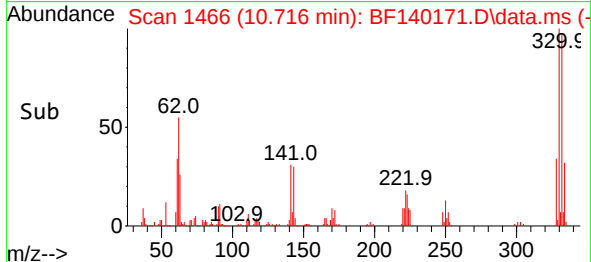
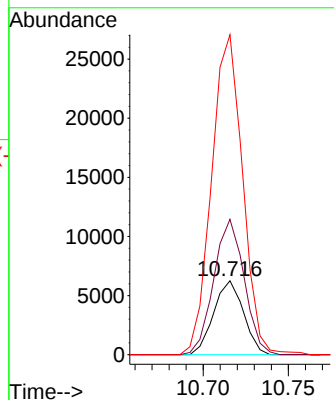
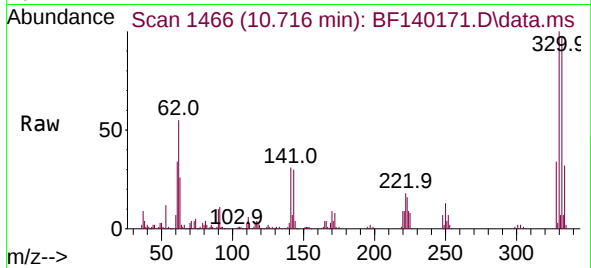




#67
4-Bromophenyl-phenylether
Concen: 3.154 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

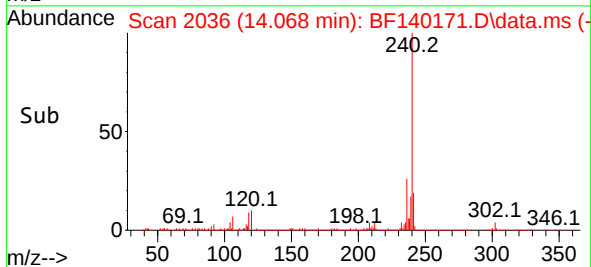
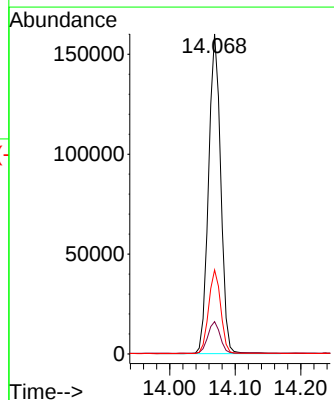
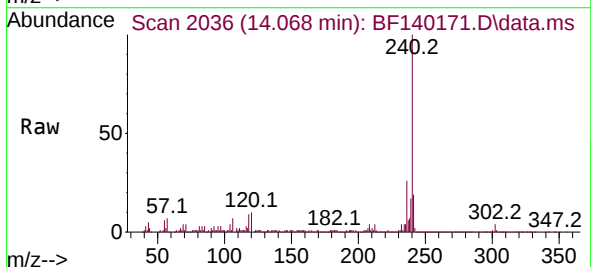
Instrument :
BNA_F
ClientSampleId :
BP-F16

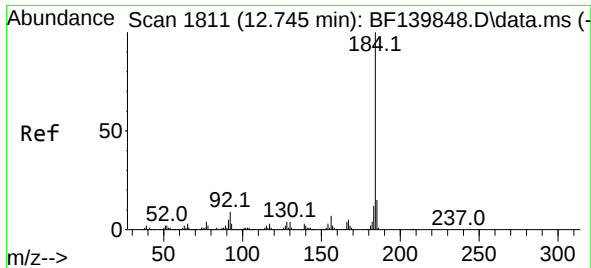
Tgt Ion:248 Resp: 7597
Ion Ratio Lower Upper
248 100
250 183.3 79.0 118.6#
141 433.2 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

Tgt Ion:240 Resp: 205973
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 26.2 20.9 31.3

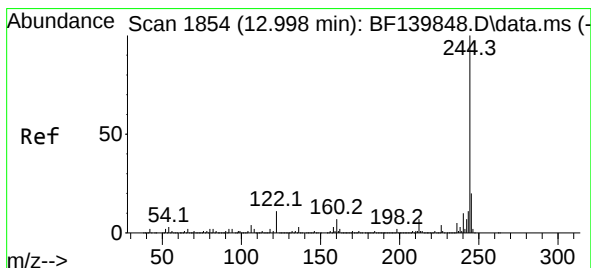
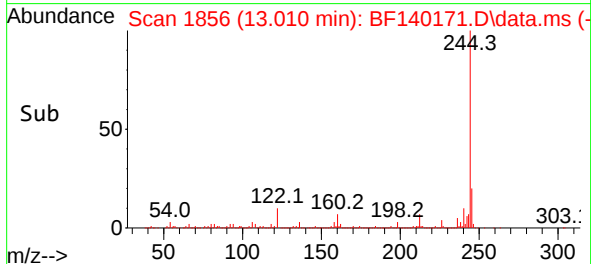
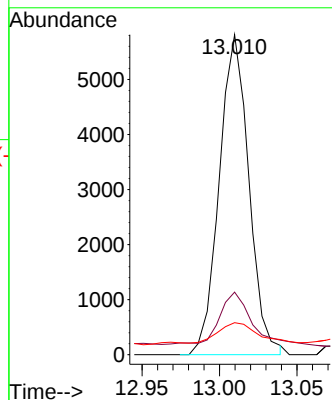
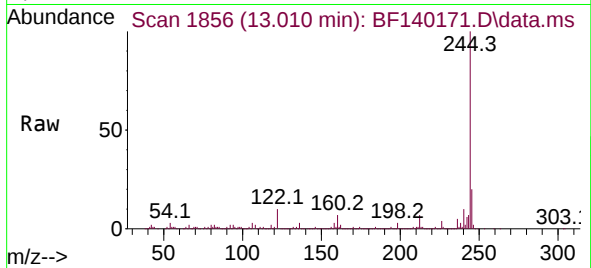




#77
Benzidine
Concen: 2.278 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.265 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

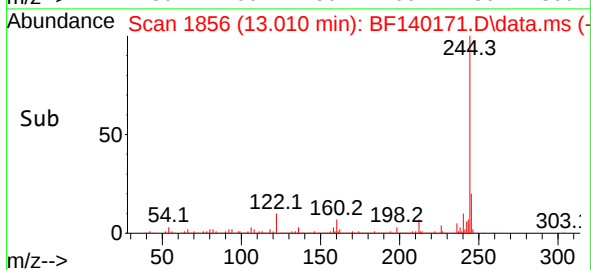
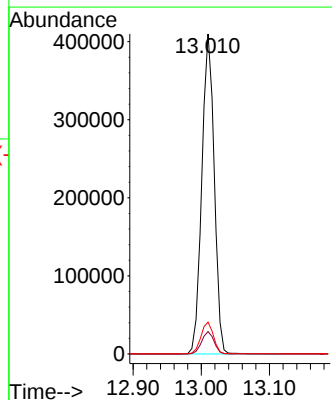
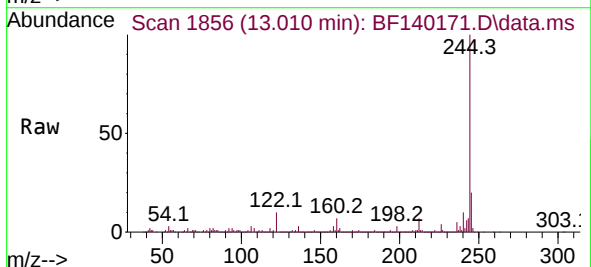
Instrument :
BNA_F
ClientSampleId :
BP-F16

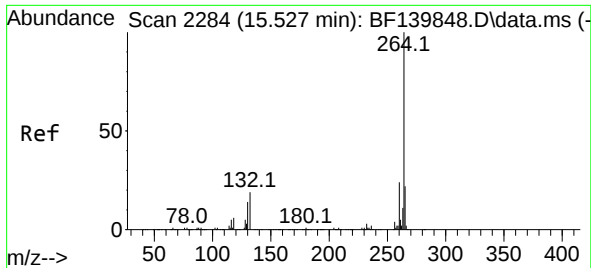
Tgt Ion:184 Resp: 7717
Ion Ratio Lower Upper
184 100
185 19.6 12.0 18.0#
183 10.0 9.4 14.2



#79
Terphenyl-d14
Concen: 41.065 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.012 min
Lab File: BF140171.D
Acq: 30 Oct 2024 21:17

Tgt Ion:244 Resp: 519078
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 9.9 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.568 min Scan# 21
 Delta R.T. 0.041 min
 Lab File: BF140171.D
 Acq: 30 Oct 2024 21:17

Instrument :
 BNA_F
 ClientSampleId :
 BP-F16

Tgt Ion:264 Resp: 145782
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 21.5 17.4 26.0

