

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139949.D
 Acq On : 23 Oct 2024 01:08
 Operator : RC/JU
 Sample : P4385-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Quant Time: Oct 23 02:46:03 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

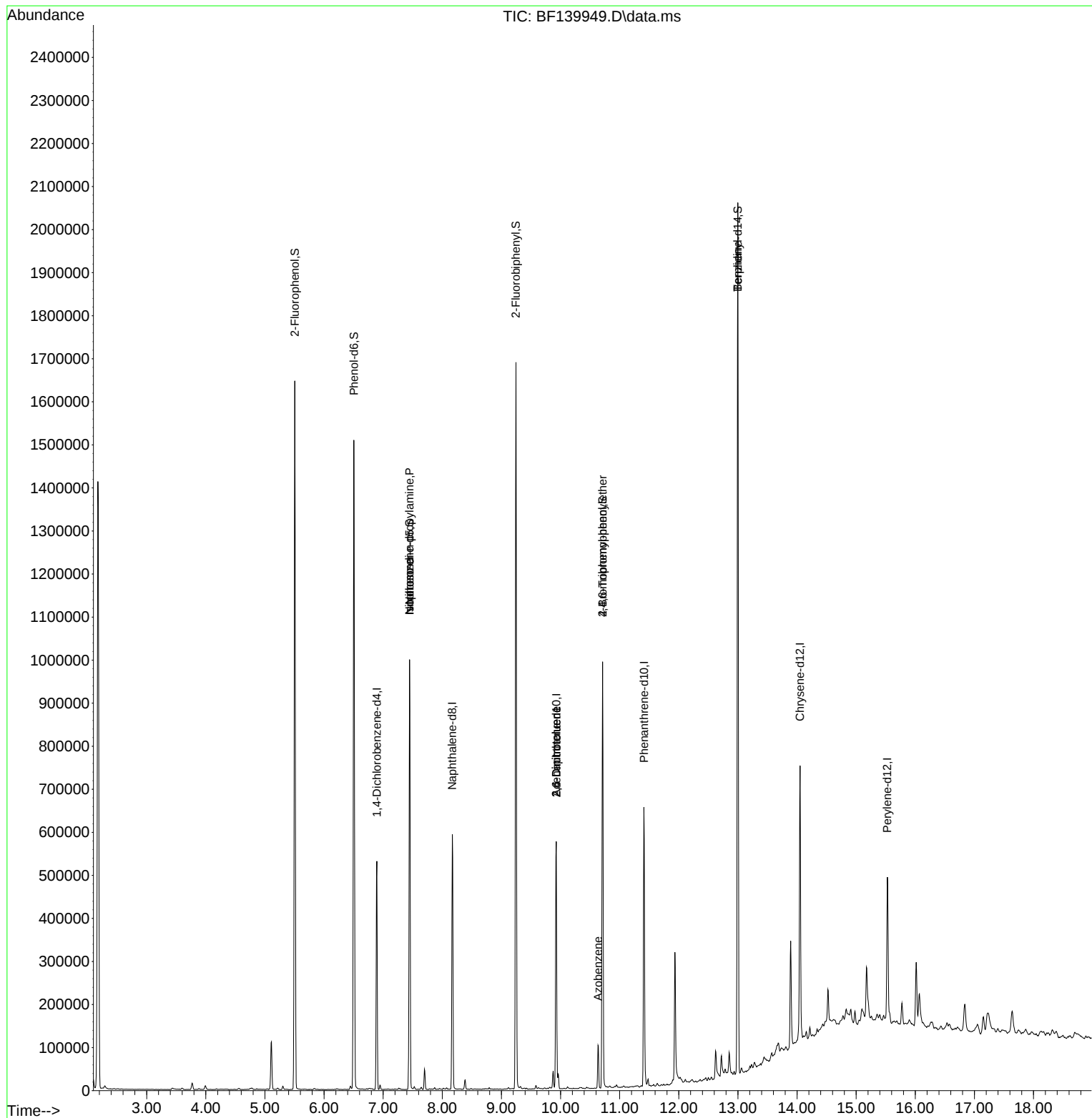
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	108490	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	354595	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	170918	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	337324	20.000	ng	0.00
76) Chrysene-d12	14.051	240	293042	20.000	ng	0.00
86) Perylene-d12	15.527	264	205540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	582626	84.072	ng	0.00
7) Phenol-d6	6.504	99	683363	76.136	ng	0.00
23) Nitrobenzene-d5	7.445	82	417462	65.250	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	161004	100.708	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	725082	70.112	ng	0.00
79) Terphenyl-d14	12.998	244	983928	54.712	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	56348	10.351	ng	# 77
25) Isophorone	7.445	82	415923	34.251	ng	# 67
51) 2,6-Dinitrotoluene	9.928	165	22185	9.624	ng	# 22
57) 2,4-Dinitrotoluene	9.928	165	22185	7.826	ng	# 21
63) Azobenzene	10.633	77	25530	2.304	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10837	3.118	ng	# 1
77) Benzidine	12.998	184	11974	2.485	ng	# 91

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

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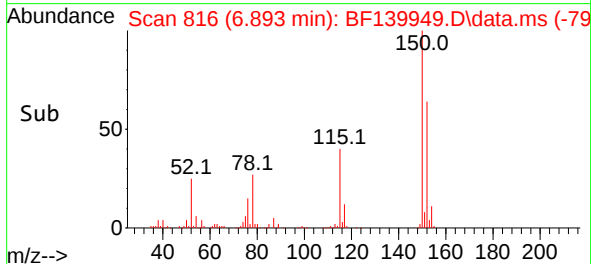
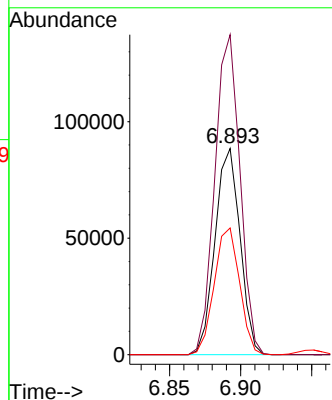
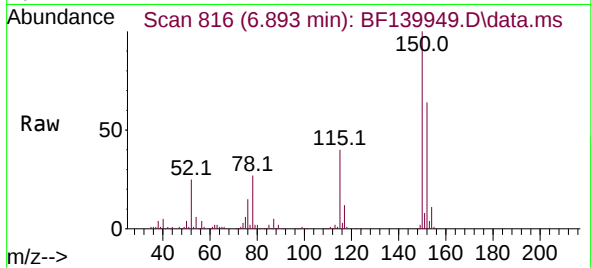




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

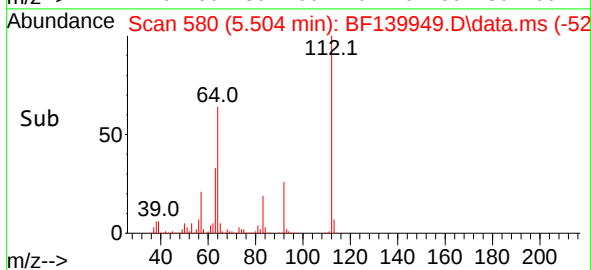
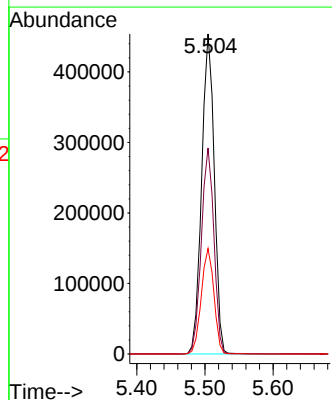
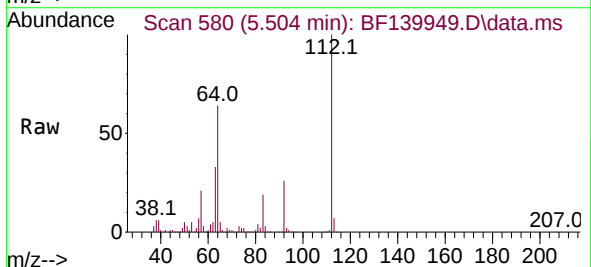
Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:152 Resp: 108490
Ion Ratio Lower Upper
152 100
150 155.1 130.2 195.2
115 61.4 51.4 77.2



#5
2-Fluorophenol
Concen: 84.072 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion:112 Resp: 582626
Ion Ratio Lower Upper
112 100
64 64.4 53.0 79.6
63 33.0 27.0 40.4

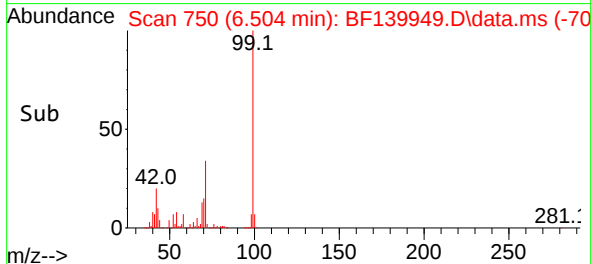
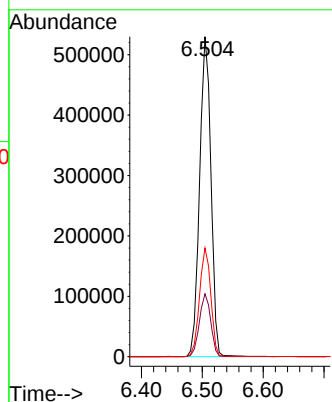
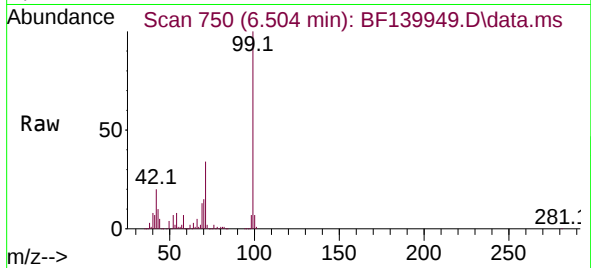




#7
Phenol-d6
Concen: 76.136 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

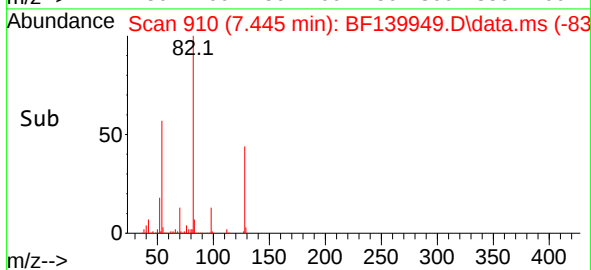
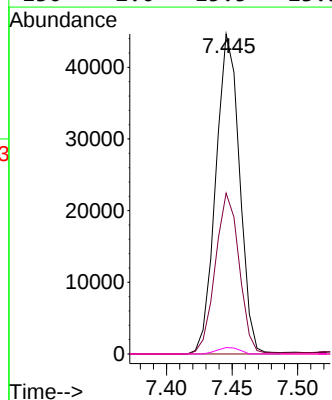
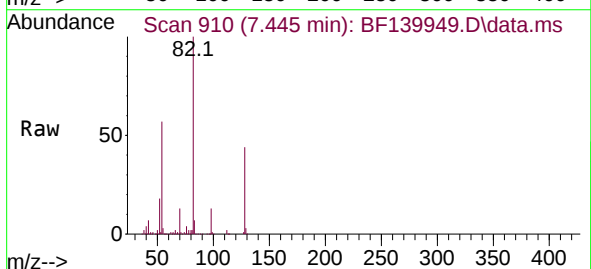
Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion: 99 Resp: 683363
Ion Ratio Lower Upper
99 100
42 19.7 16.7 25.1
71 34.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.351 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion: 70 Resp: 56348
Ion Ratio Lower Upper
70 100
42 50.3 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#

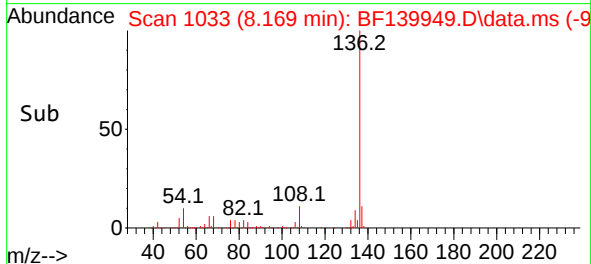
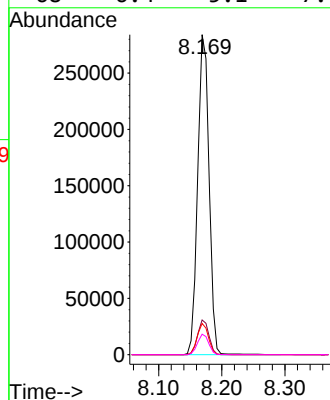
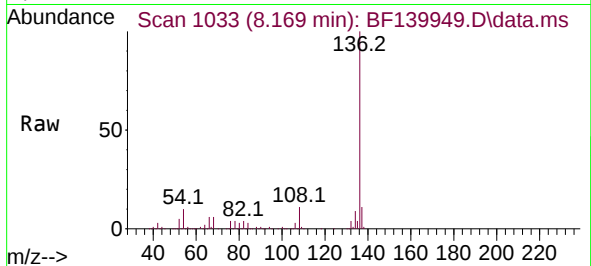




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

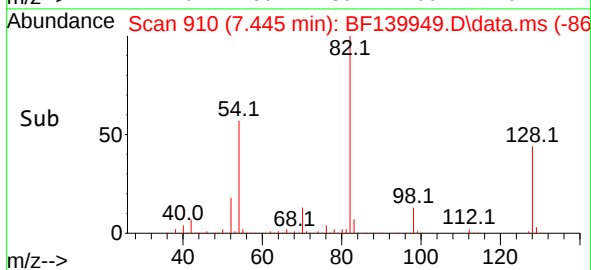
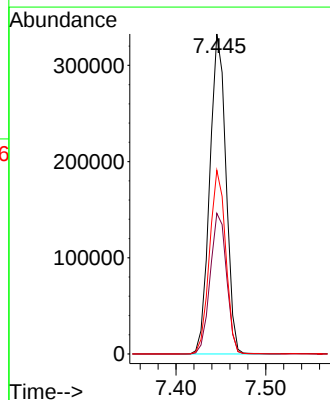
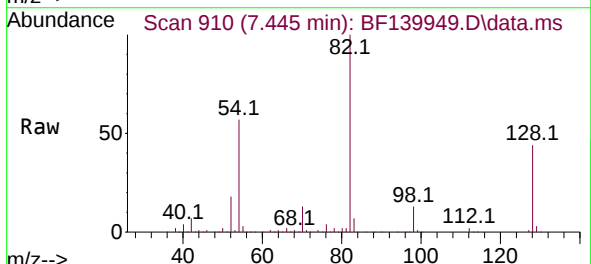
Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:136	Resp: 354595
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 12.8
54 9.8	8.4 12.6
68 6.4	5.1 7.7



#23
Nitrobenzene-d5
Concen: 65.250 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion: 82	Resp: 417462
Ion Ratio	Lower Upper
82 100	
128 43.9	33.4 50.0
54 57.4	47.8 71.8

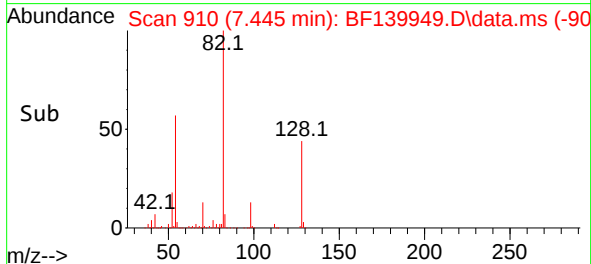
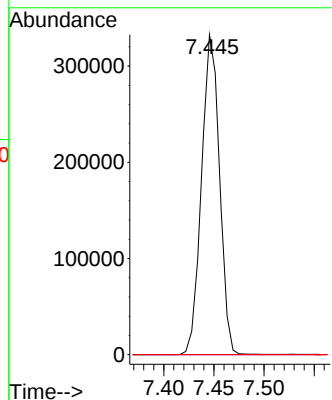
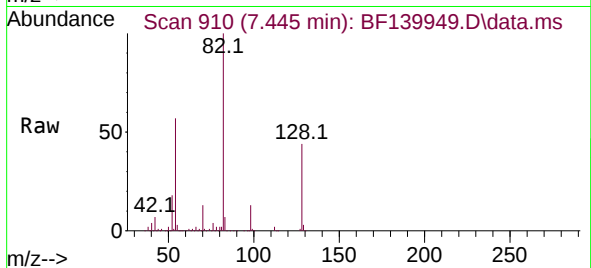




#25
Isophorone
Concen: 34.251 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

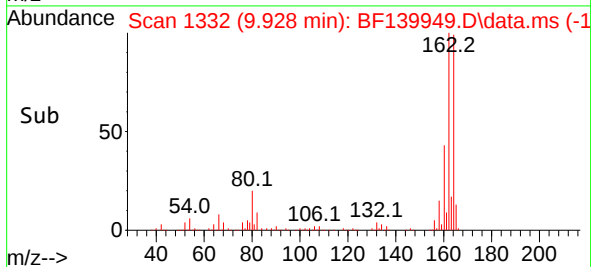
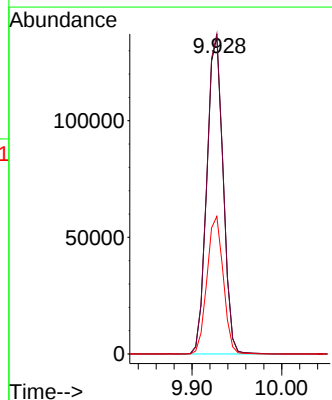
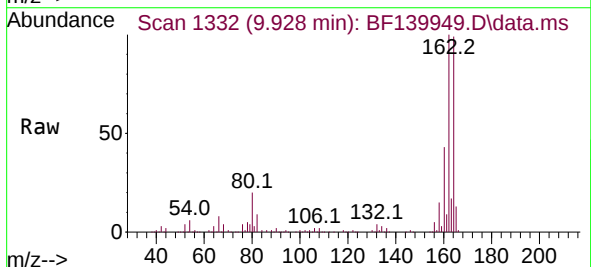
Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion: 82 Resp: 415923
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: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion:164 Resp: 170918
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.4
160 43.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 100.708 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

Instrument :

BNA_F

ClientSampleId :

SP-5

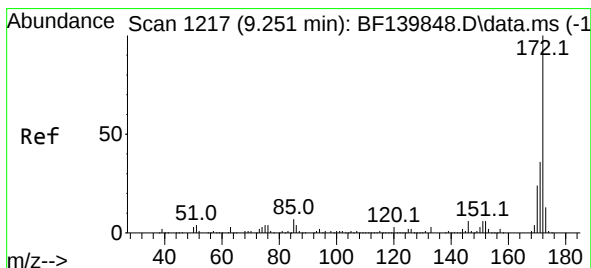
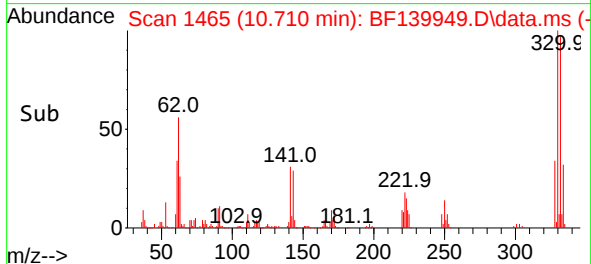
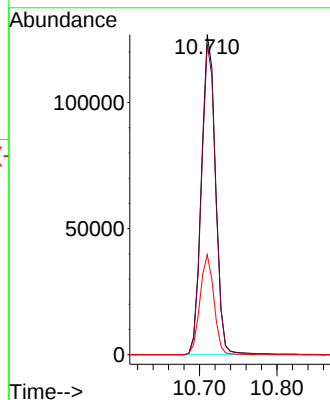
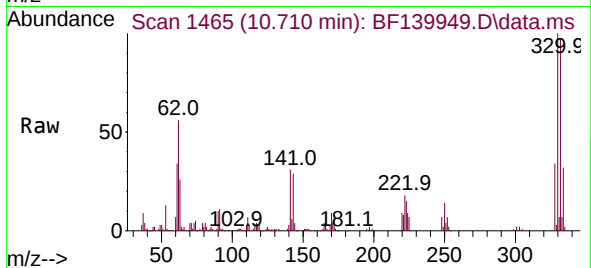
Tgt Ion:330 Resp: 161004

Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 30.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 70.112 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

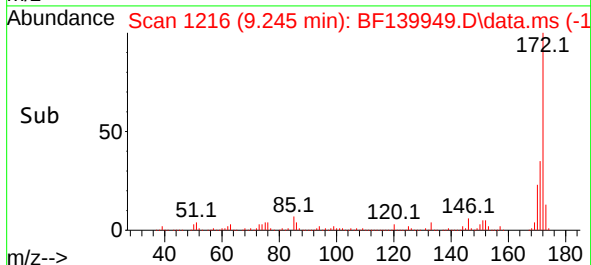
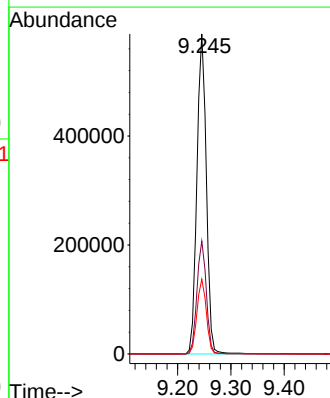
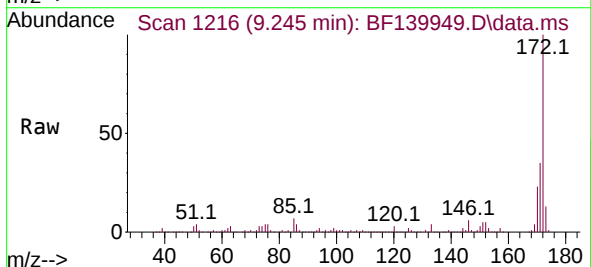
Tgt Ion:172 Resp: 725082

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.3 19.1 28.7

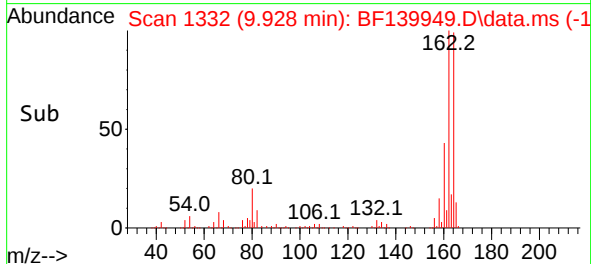
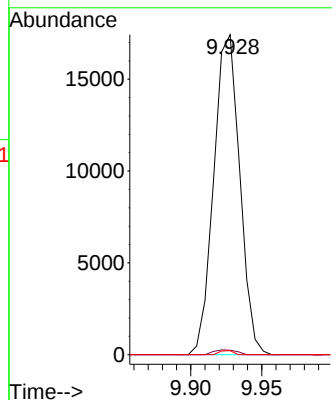
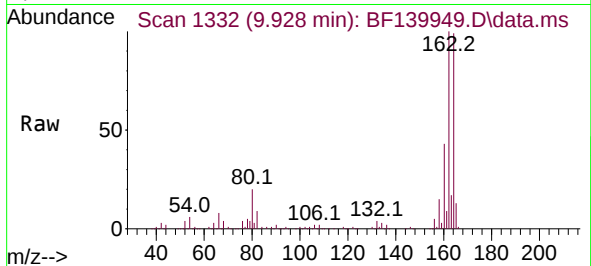




#51
2,6-Dinitrotoluene
Concen: 9.624 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

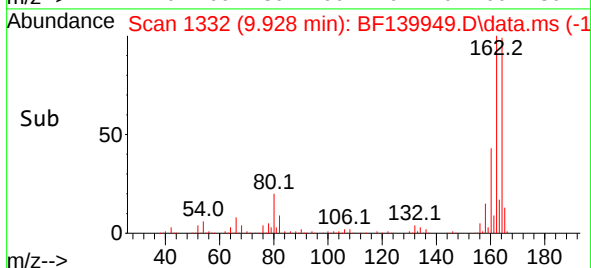
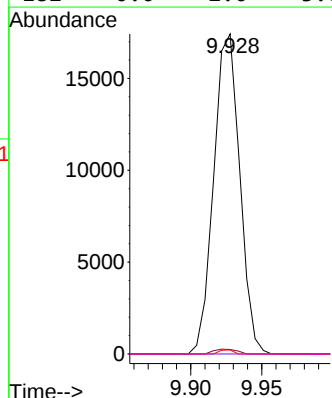
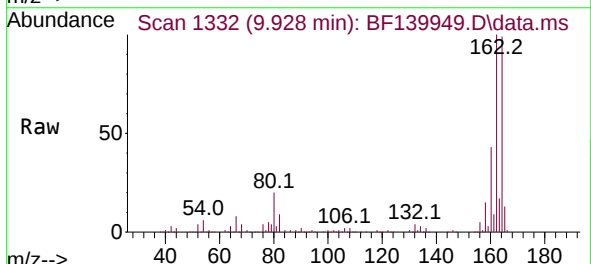
Instrument :
BNA_F
ClientSampleId :
SP-5

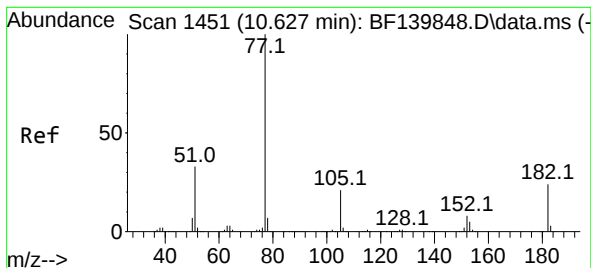
Tgt Ion:165 Resp: 22185
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.826 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.182 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion:165 Resp: 22185
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.304 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

Instrument :

BNA_F

ClientSampleId :

SP-5

Tgt Ion: 77 Resp: 25530

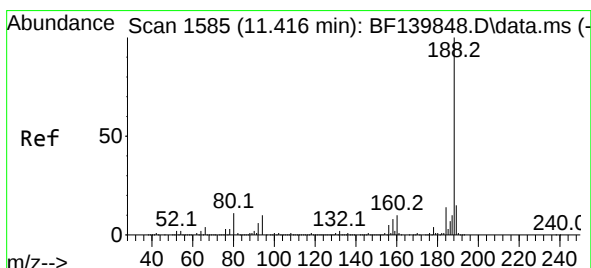
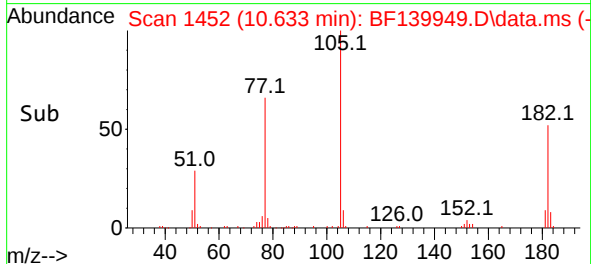
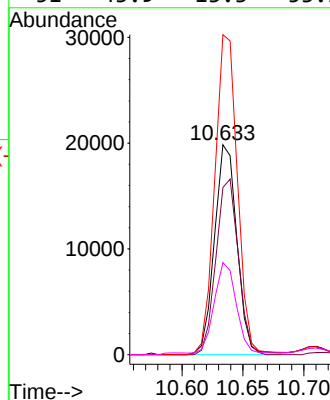
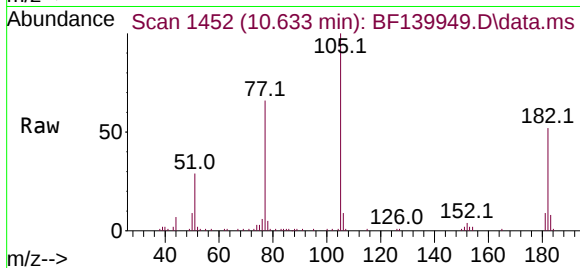
Ion Ratio Lower Upper

77 100

182 79.7 3.3 43.3#

105 152.4 1.2 41.2#

51 43.9 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

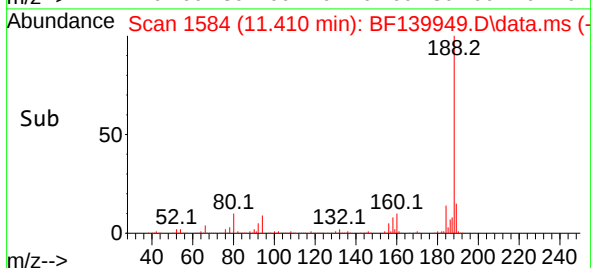
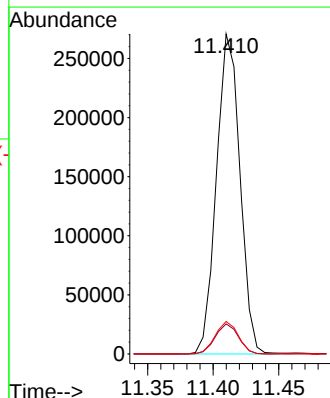
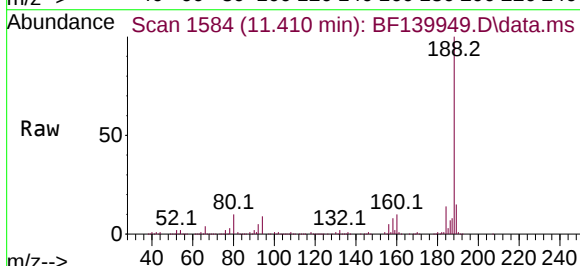
Tgt Ion: 188 Resp: 337324

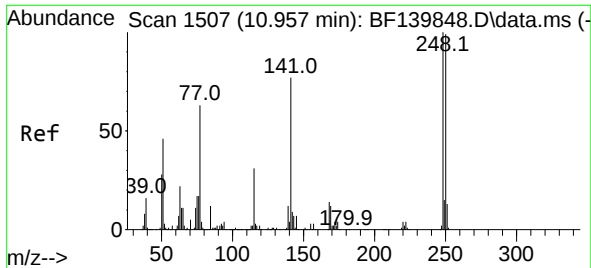
Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

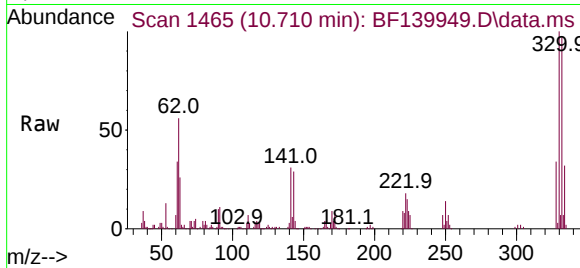
80 10.2 9.0 13.4



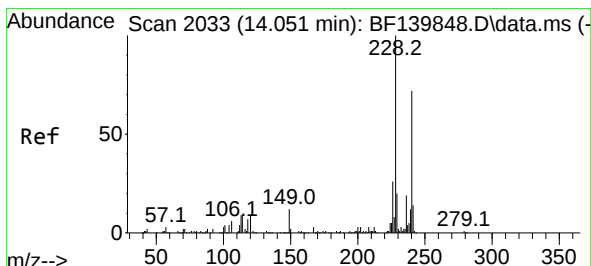
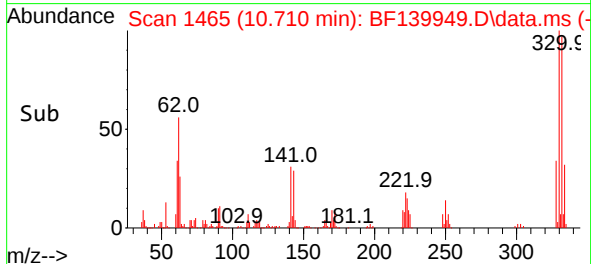
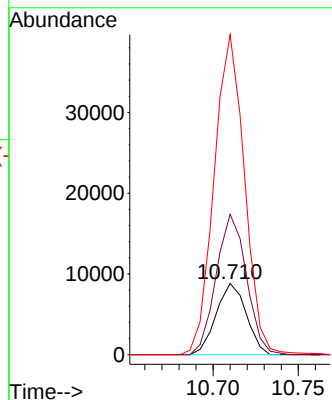


#67
4-Bromophenyl-phenylether
Concen: 3.118 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Instrument :
BNA_F
ClientSampleId :
SP-5

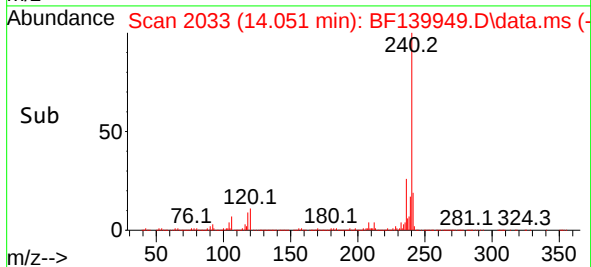
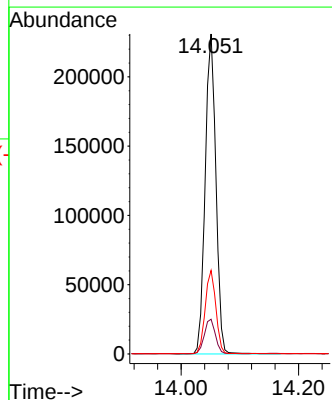
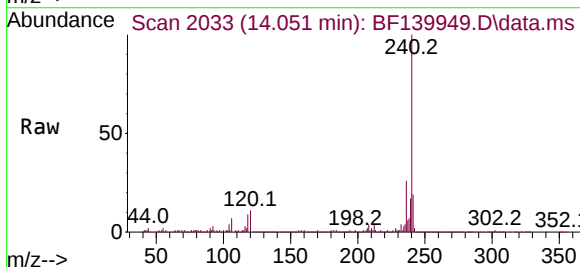


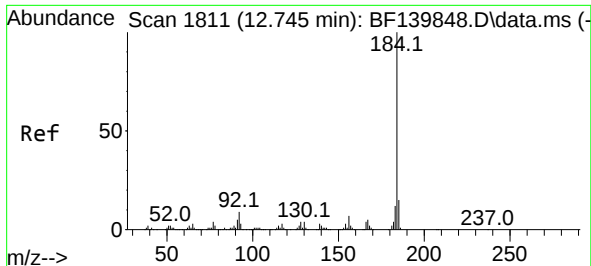
Tgt Ion:248 Resp: 10837
Ion Ratio Lower Upper
248 100
250 197.1 79.0 118.6#
141 449.0 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion:240 Resp: 293042
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 26.1 20.9 31.3

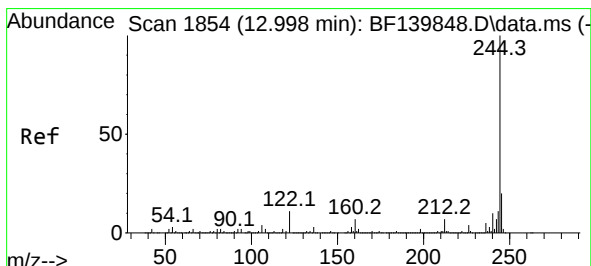
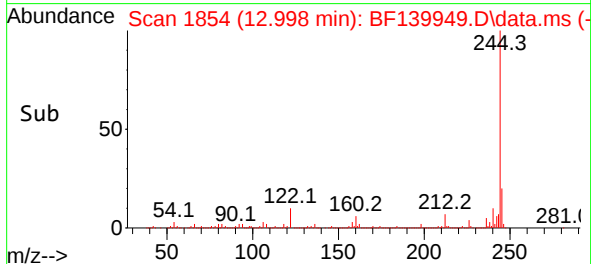
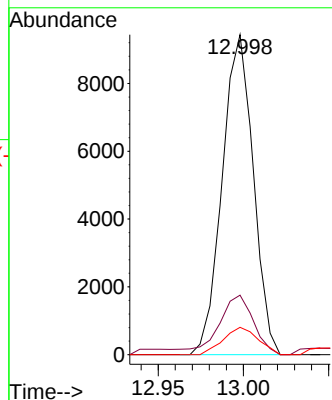
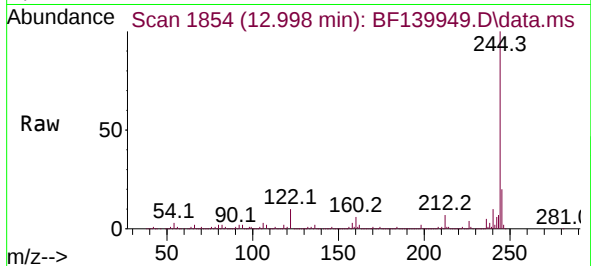




#77
Benzidine
Concen: 2.485 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

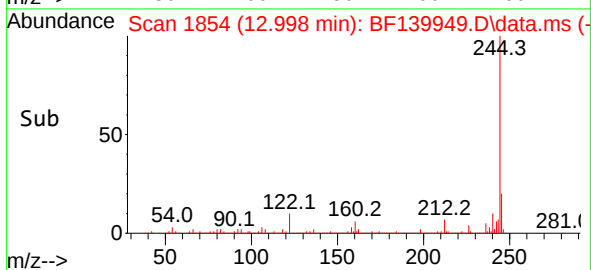
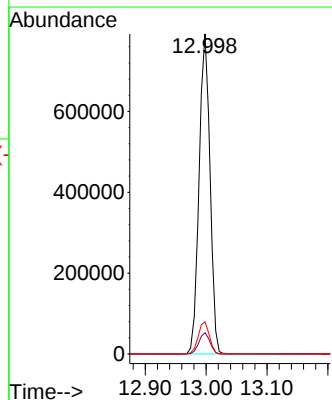
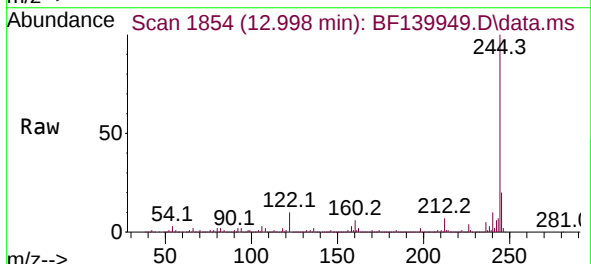
Instrument :
BNA_F
ClientSampleId :
SP-5

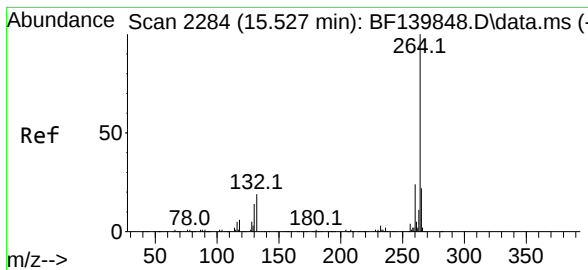
Tgt Ion:184 Resp: 11974
Ion Ratio Lower Upper
184 100
185 18.6 12.0 18.0#
183 8.5 9.4 14.2#



#79
Terphenyl-d14
Concen: 54.712 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion:244 Resp: 983928
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.0 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF139949.D
 Acq: 23 Oct 2024 01:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tgt Ion:264 Resp: 205540

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.5	17.4	26.0

