

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140160.D
 Acq On : 30 Oct 2024 16:26
 Operator : RC/JU
 Sample : P4616-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F9-MOVED

Quant Time: Oct 30 17:14:59 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

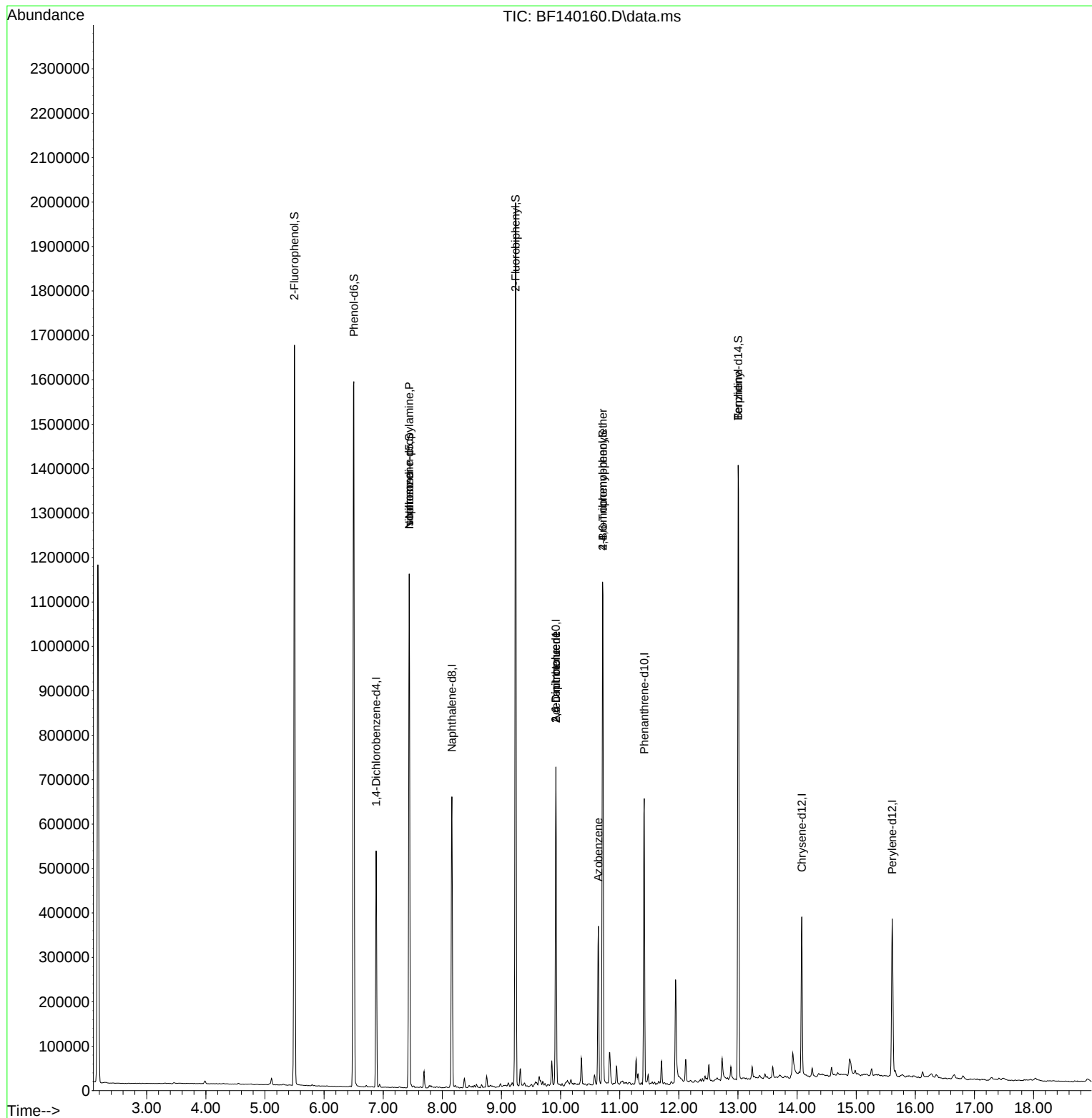
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	101691	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	391276	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	203294	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	337618	20.000	ng	0.00
76) Chrysene-d12	14.080	240	166857	20.000	ng	0.03
86) Perylene-d12	15.610	264	210899	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	583661	89.852	ng	0.00
7) Phenol-d6	6.504	99	750232	89.174	ng	0.00
23) Nitrobenzene-d5	7.439	82	496846	70.377	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	184398	96.973	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	857726	69.730	ng	-0.01
79) Terphenyl-d14	13.004	244	700665	68.425	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	68294	13.384	ng	# 77
25) Isophorone	7.439	82	494333	36.892	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	26806	9.777	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	26806	7.950	ng	# 21
63) Azobenzene	10.639	77	91008	6.905	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	12582	3.617	ng	# 1
77) Benzidine	13.004	184	9798	3.571	ng	# 93

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

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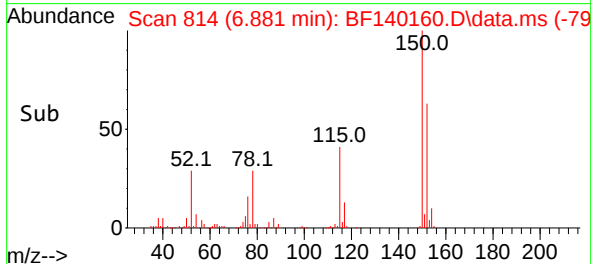
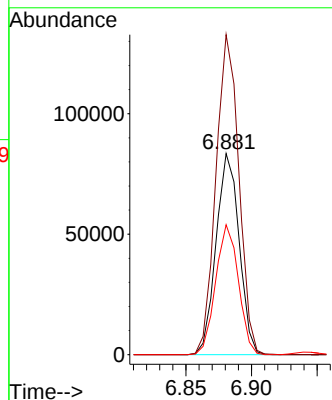
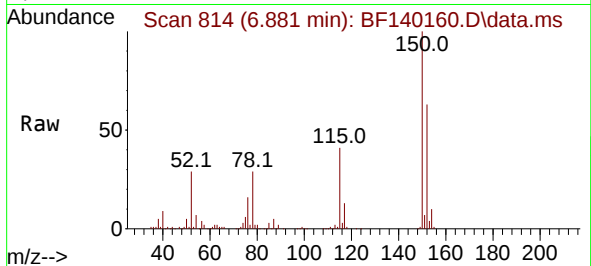




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

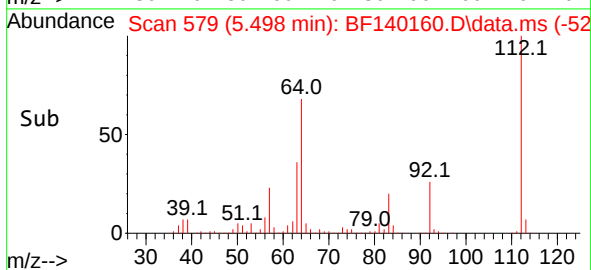
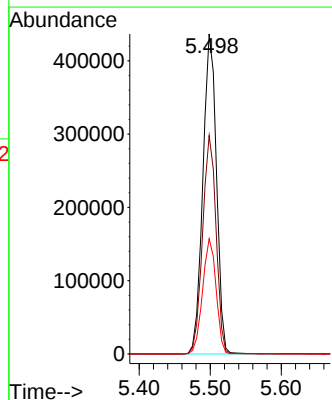
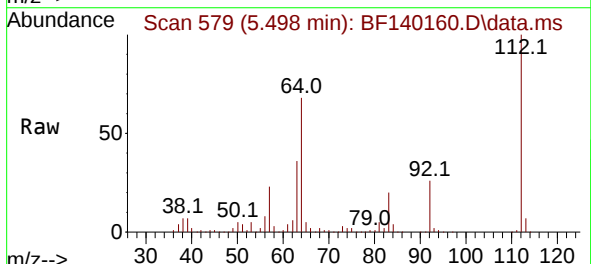
Instrument :
BNA_F
ClientSampleId :
BP-F9-MOVED

Tgt Ion:152 Resp: 101691
Ion Ratio Lower Upper
152 100
150 159.1 130.2 195.2
115 64.6 51.4 77.2



#5
2-Fluorophenol
Concen: 89.852 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

Tgt Ion:112 Resp: 583661
Ion Ratio Lower Upper
112 100
64 68.3 53.0 79.6
63 36.0 27.0 40.4

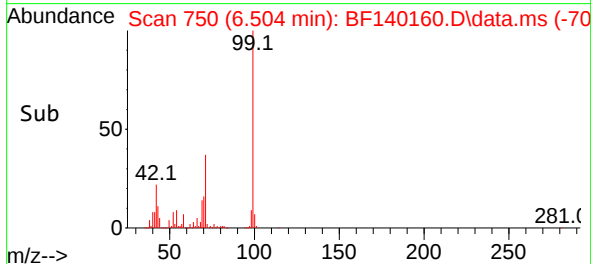
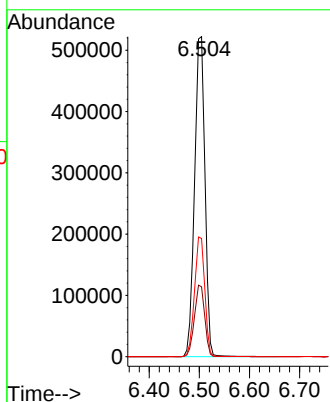
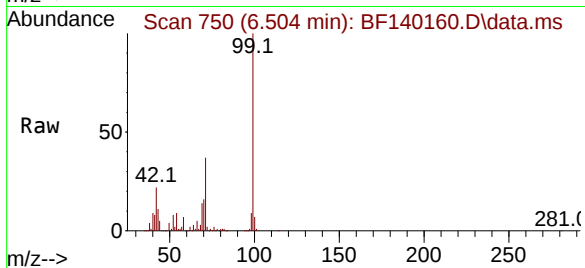




#7
Phenol-d6
Concen: 89.174 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

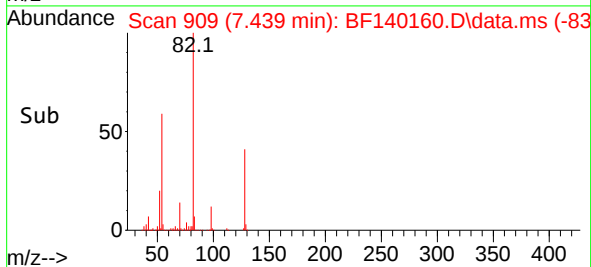
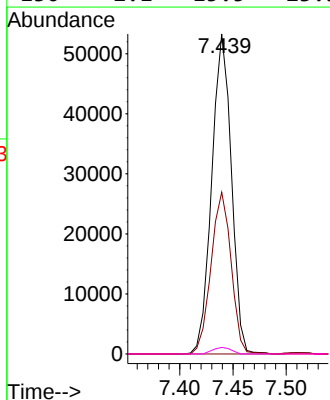
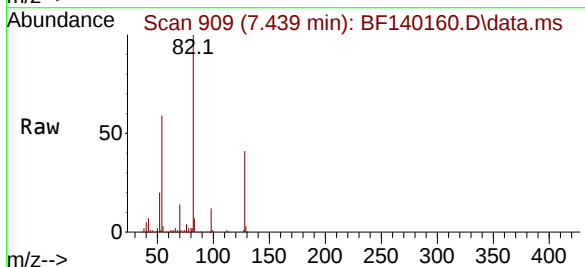
Instrument :
BNA_F
ClientSampleId :
BP-F9-MOVED

Tgt Ion: 99 Resp: 750232
Ion Ratio Lower Upper
99 100
42 21.9 16.7 25.1
71 37.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.384 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

Tgt Ion: 70 Resp: 68294
Ion Ratio Lower Upper
70 100
42 50.5 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



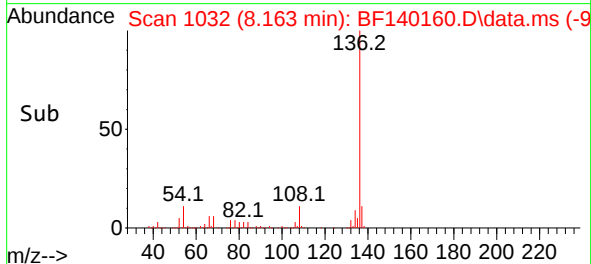
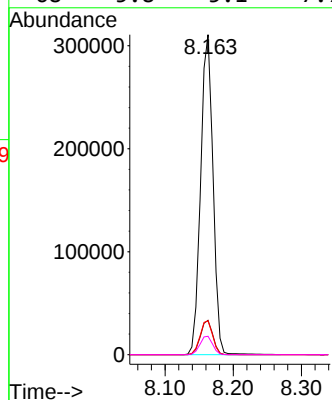
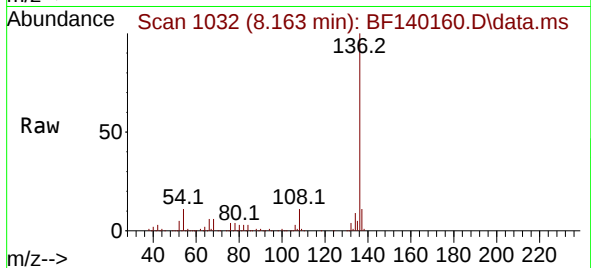


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

Instrument :
BNA_F
ClientSampleId :
BP-F9-MOVED

Tgt Ion:136 Resp: 391276

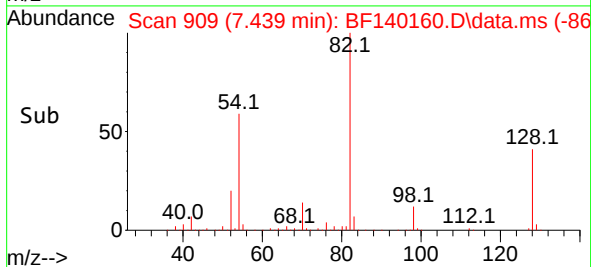
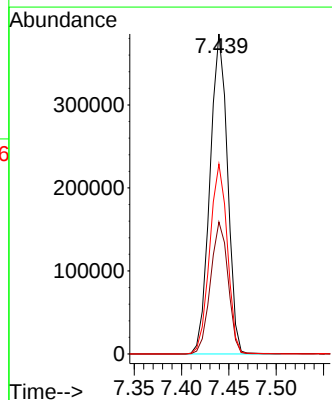
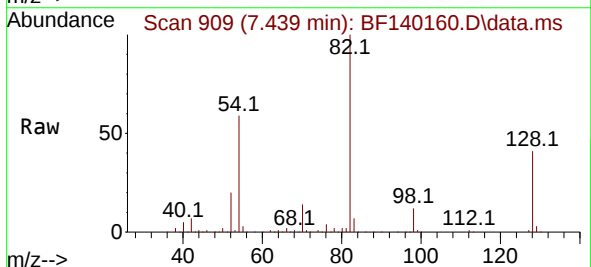
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.6	8.4	12.6
68	5.8	5.1	7.7



#23
Nitrobenzene-d5
Concen: 70.377 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

Tgt Ion: 82 Resp: 496846

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	59.4	47.8	71.8

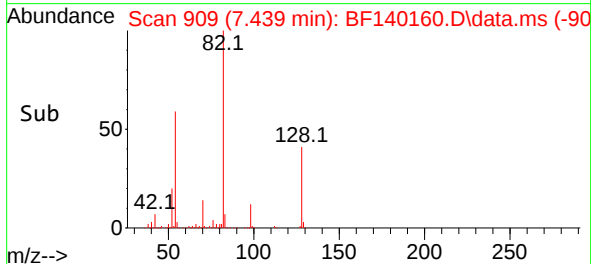
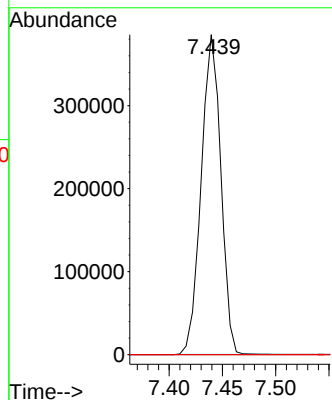
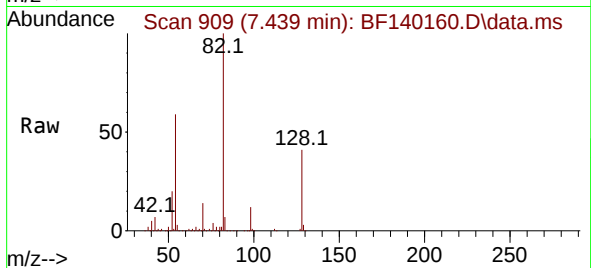




#25
Isophorone
Concen: 36.892 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

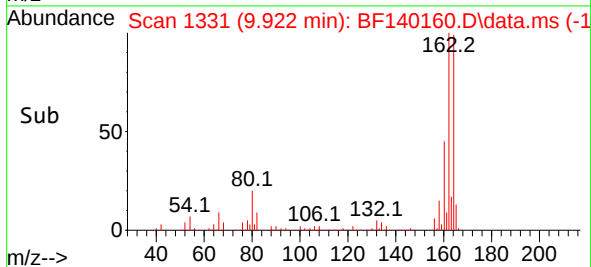
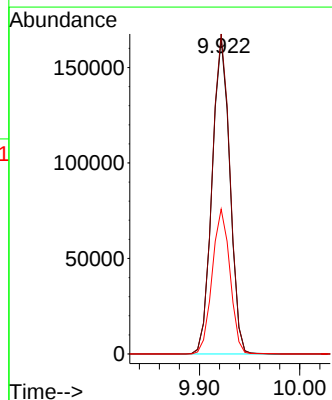
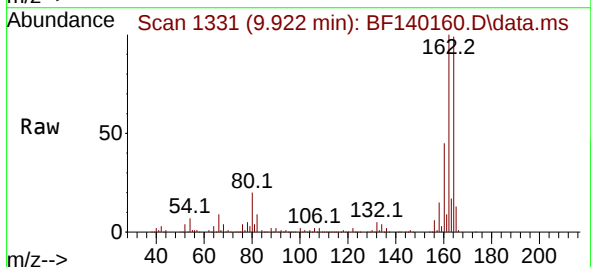
Instrument :
BNA_F
ClientSampleId :
BP-F9-MOVED

Tgt Ion: 82 Resp: 494333
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: BF140160.D
Acq: 30 Oct 2024 16:26

Tgt Ion:164 Resp: 203294
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.4
160 45.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 96.973 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF140160.D

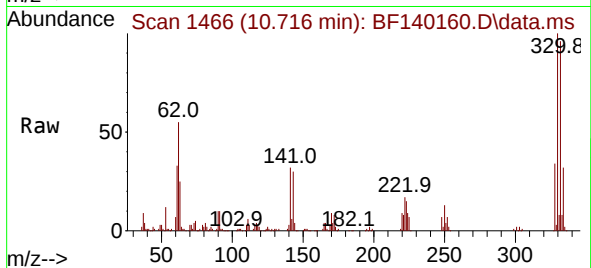
Acq: 30 Oct 2024 16:26

Instrument :

BNA_F

ClientSampleId :

BP-F9-MOVED



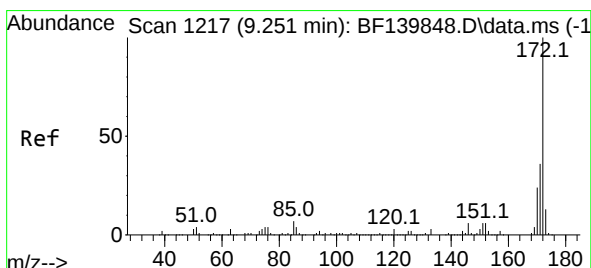
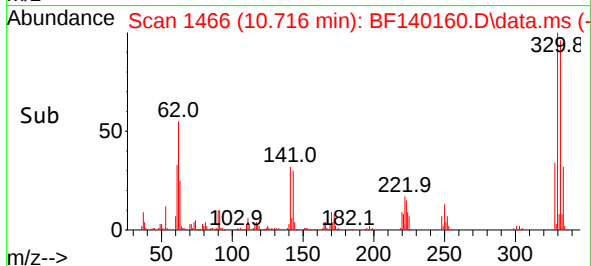
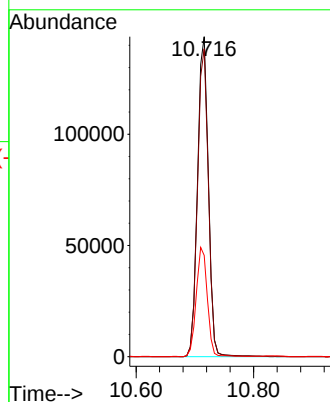
Tgt Ion:330 Resp: 184398

Ion Ratio Lower Upper

330 100

332 96.4 78.1 117.1

141 34.9 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 69.730 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140160.D

Acq: 30 Oct 2024 16:26

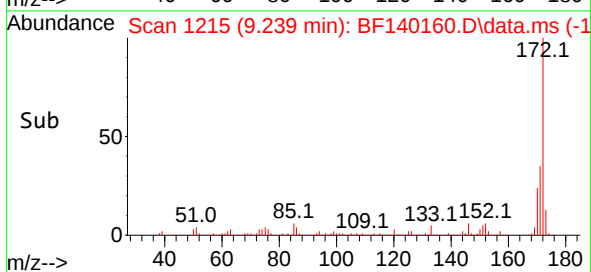
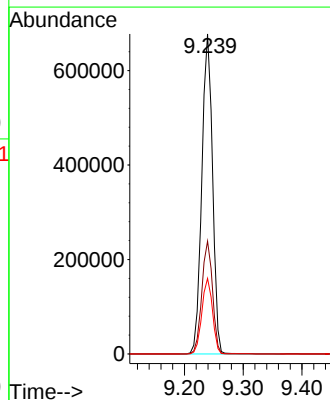
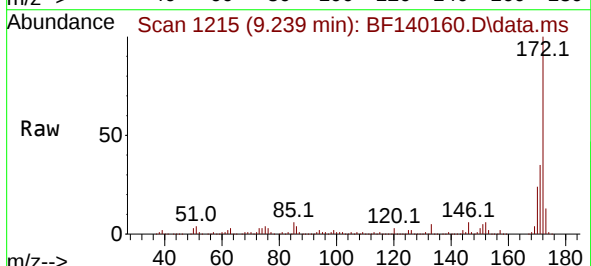
Tgt Ion:172 Resp: 857726

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.6 19.1 28.7

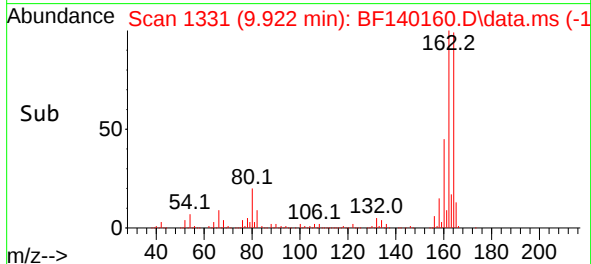
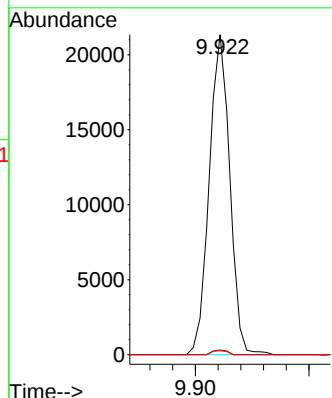
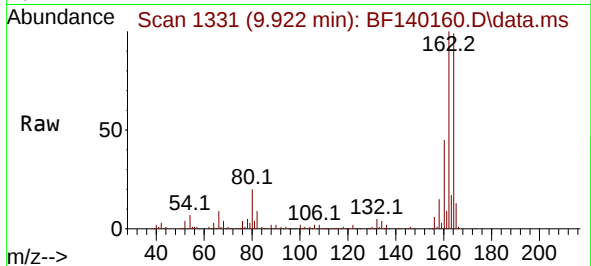




#51
2,6-Dinitrotoluene
Concen: 9.777 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

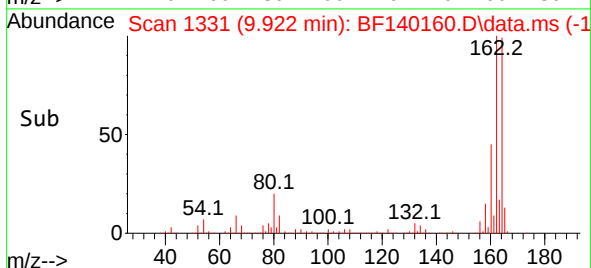
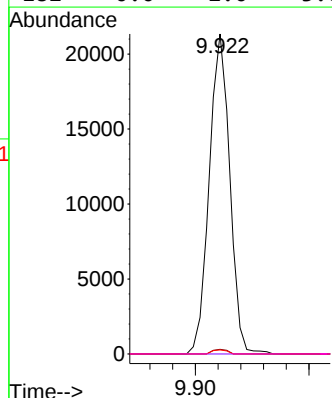
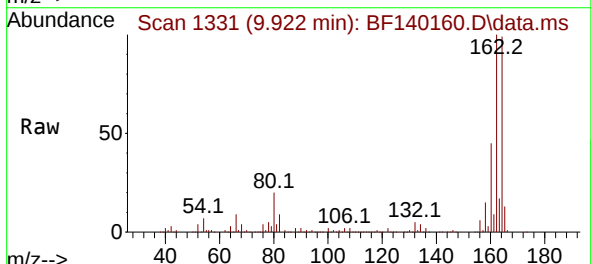
Instrument :
BNA_F
ClientSampleId :
BP-F9-MOVED

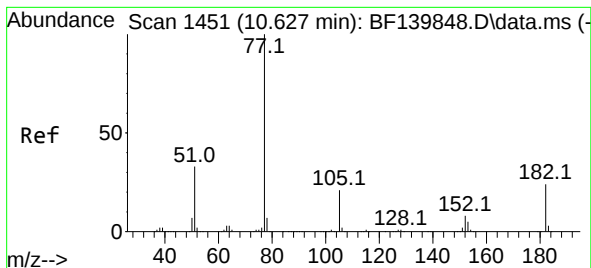
Tgt Ion:165 Resp: 26806
Ion Ratio Lower Upper
165 100
63 1.5 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.950 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

Tgt Ion:165 Resp: 26806
Ion Ratio Lower Upper
165 100
63 1.5 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 6.905 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF140160.D

Acq: 30 Oct 2024 16:26

Instrument :

BNA_F

ClientSampleId :

BP-F9-MOVED

Tgt Ion: 77 Resp: 91008

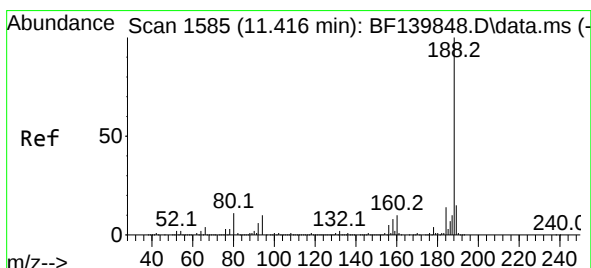
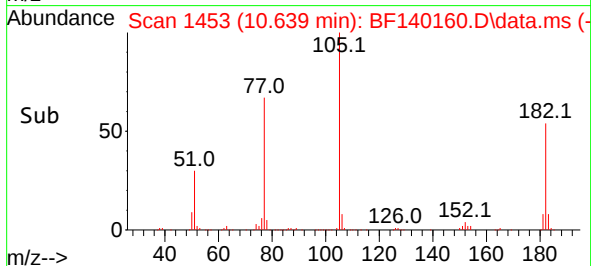
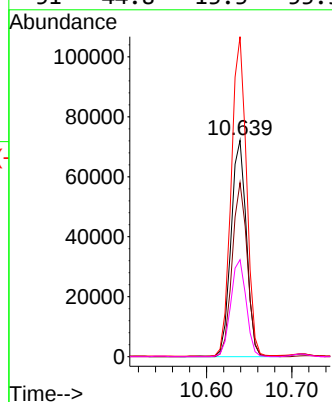
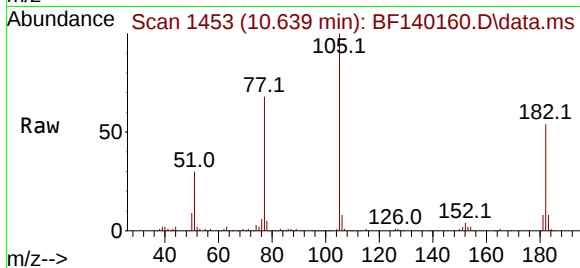
Ion Ratio Lower Upper

77 100

182 80.5 3.3 43.3#

105 147.9 1.2 41.2#

51 44.8 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: BF140160.D

Acq: 30 Oct 2024 16:26

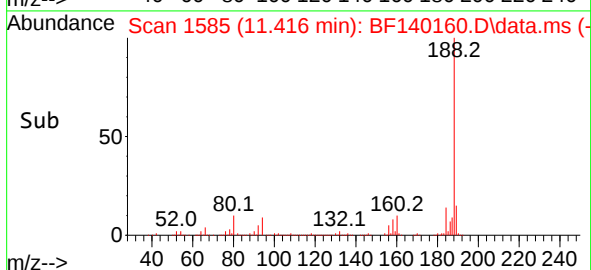
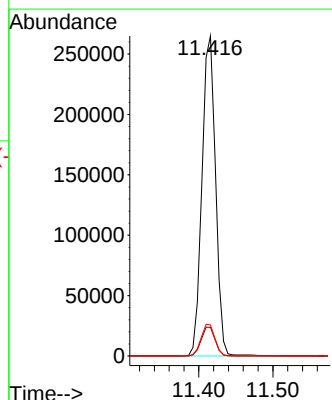
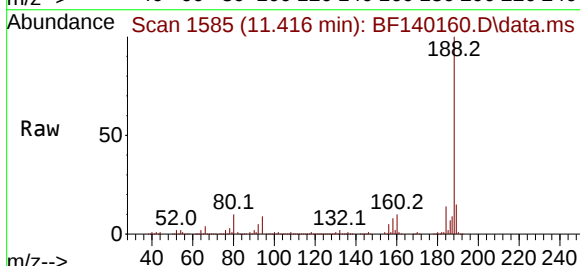
Tgt Ion:188 Resp: 337618

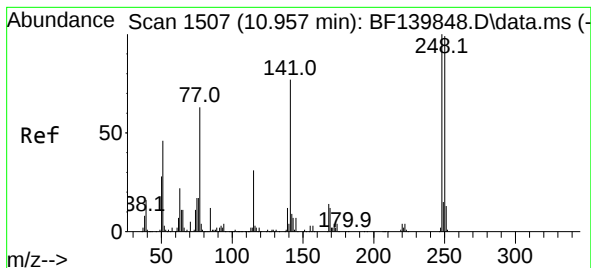
Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

80 9.7 9.0 13.4

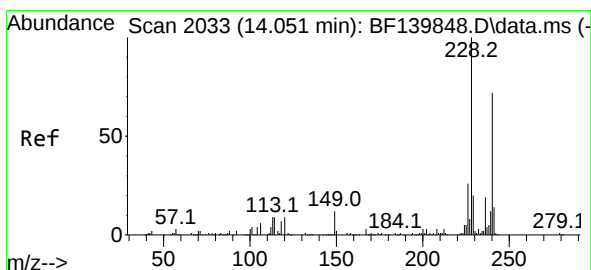
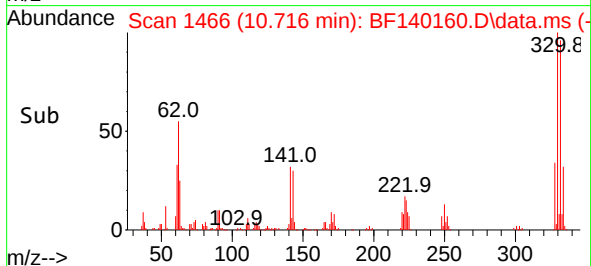
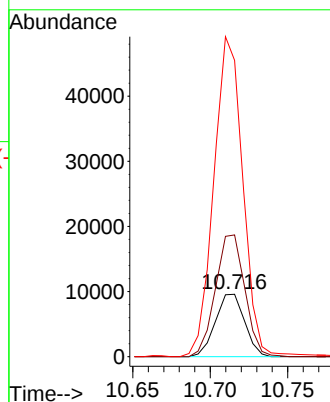
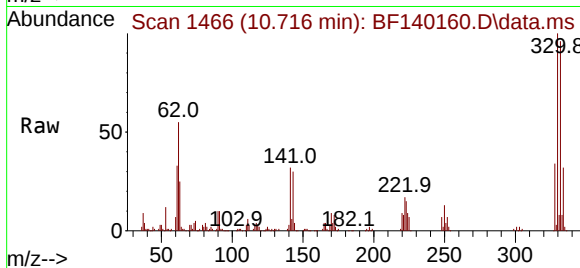




#67
4-Bromophenyl-phenylether
Concen: 3.617 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

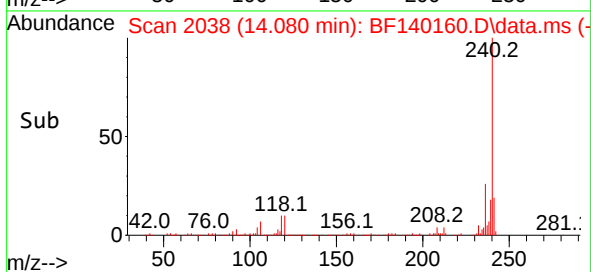
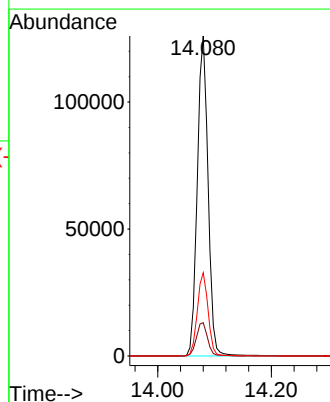
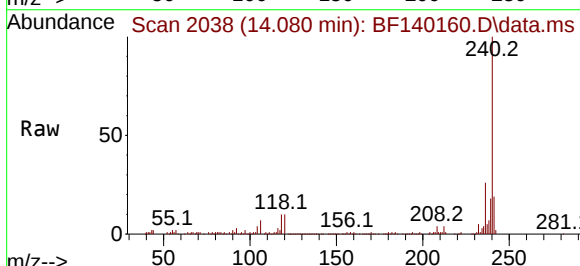
Instrument :
BNA_F
ClientSampleId :
BP-F9-MOVED

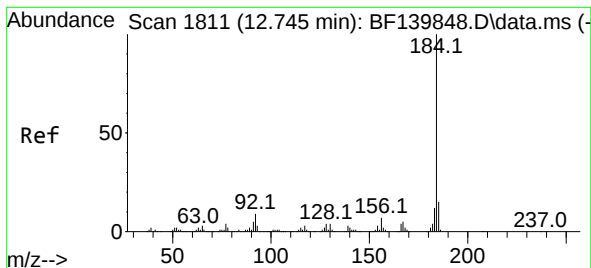
Tgt Ion:248 Resp: 12582
Ion Ratio Lower Upper
248 100
250 195.4 79.0 118.6#
141 475.4 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.029 min
Lab File: BF140160.D
Acq: 30 Oct 2024 16:26

Tgt Ion:240 Resp: 166857
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 26.0 20.9 31.3





#77

Benzidine

Concen: 3.571 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.259 min

Lab File: BF140160.D

Acq: 30 Oct 2024 16:26

Instrument :

BNA_F

ClientSampleId :

BP-F9-MOVED

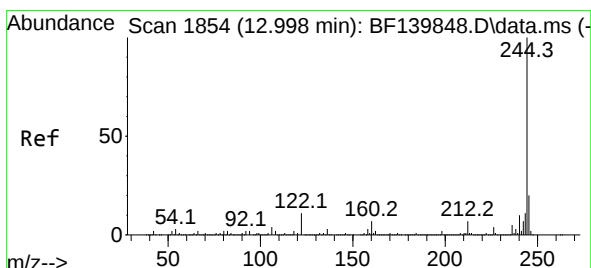
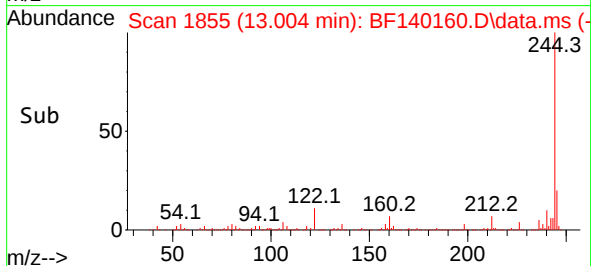
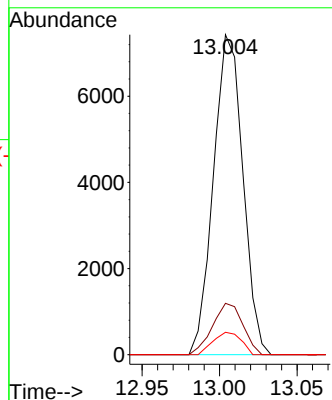
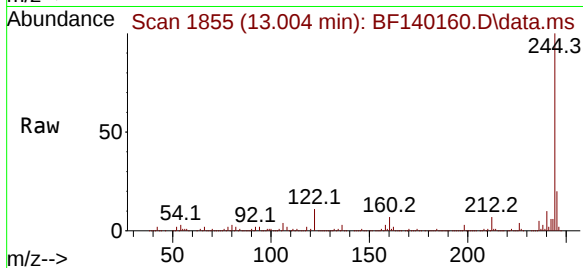
Tgt Ion:184 Resp: 9798

Ion Ratio Lower Upper

184 100

185 16.1 12.0 18.0

183 7.0 9.4 14.2#



#79

Terphenyl-d14

Concen: 68.425 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF140160.D

Acq: 30 Oct 2024 16:26

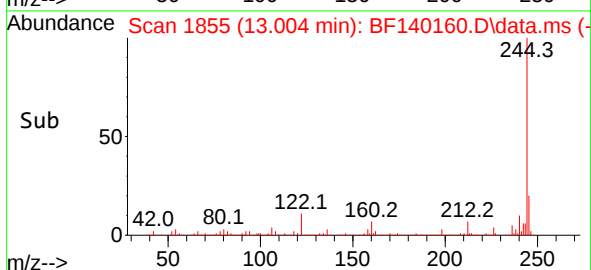
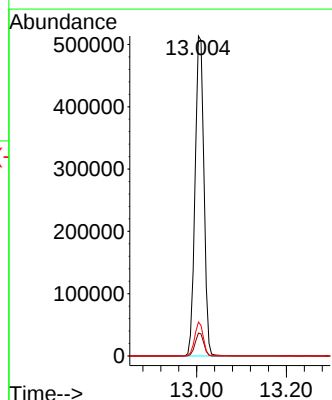
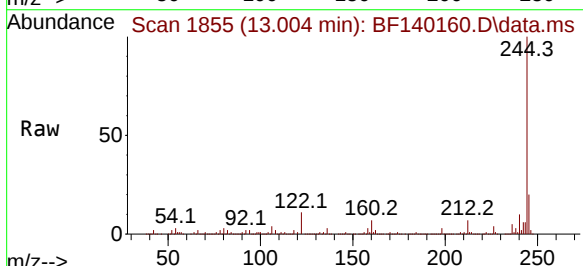
Tgt Ion:244 Resp: 700665

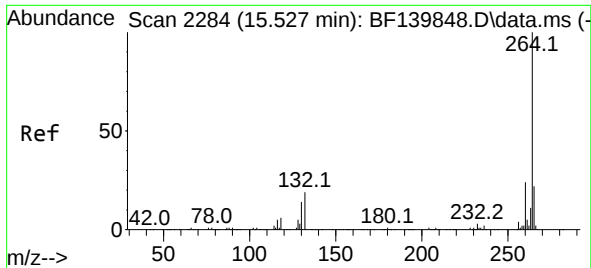
Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 10.6 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.610 min Scan# 21
 Delta R.T. 0.082 min
 Lab File: BF140160.D
 Acq: 30 Oct 2024 16:26

Instrument :
 BNA_F
 ClientSampleId :
 BP-F9-MOVED

Tgt Ion:264 Resp: 210899
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 21.0 17.4 26.0

