

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133562.D
 Acq On : 02 Jun 2023 16:53
 Operator : CG\JU
 Sample : 03011-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CO-115968RE

Quant Time: Jun 02 17:14:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 02 17:05:55 2023
 Response via : Initial Calibration

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

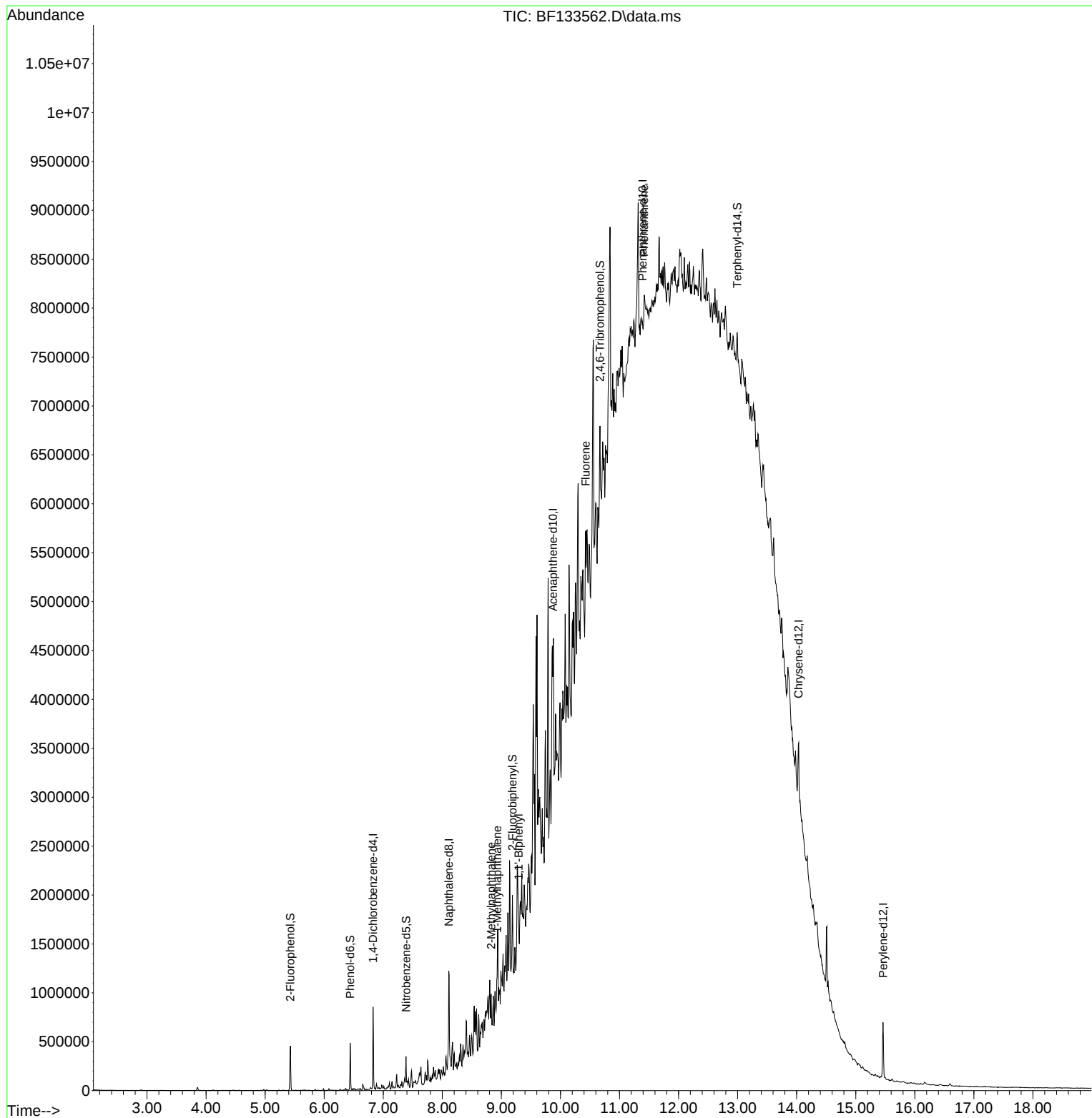
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	110281	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	396941	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	127899	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	123244	20.000	ng	# 0.04
76) Chrysene-d12	14.033	240	188137	20.000	ng	0.03
86) Perylene-d12	15.462	264	258086	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	112970	17.091	ng	0.00
7) Phenol-d6	6.440	99	131853	16.205	ng	-0.02
23) Nitrobenzene-d5	7.387	82	72285	12.159	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	15038	11.795	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	143412	17.306	ng	0.00
79) Terphenyl-d14	12.992	244	75862	7.169	ng	0.04
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.828	142	85115	6.478	ng	99
38) 1-Methylnaphthalene	8.928	142	72719	5.937	ng	97
46) 1,1'-Biphenyl	9.292	154	24441	2.352	ng	99
58) Fluorene	10.428	166	36220	4.268	ng	# 43
71) Phenanthrene	11.416	178	122525	19.628	ng	# 49

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

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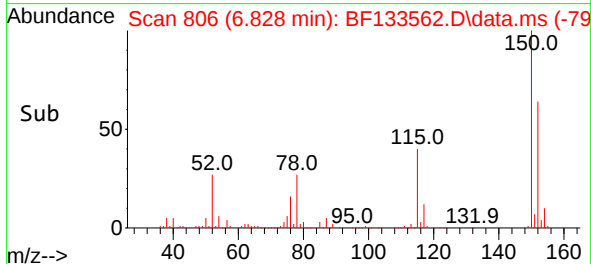
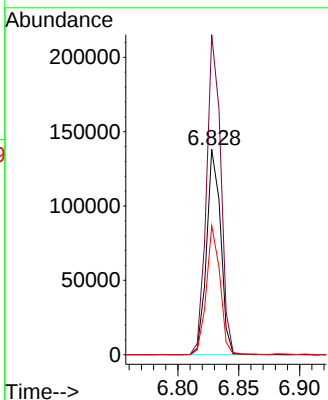
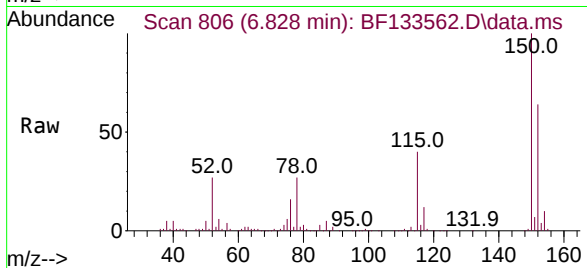




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

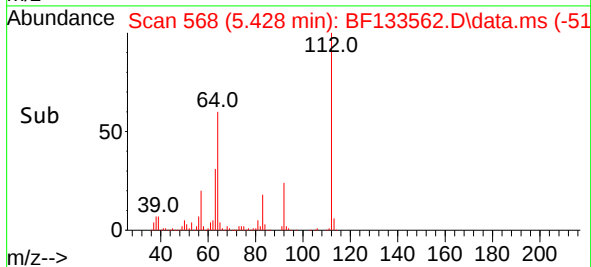
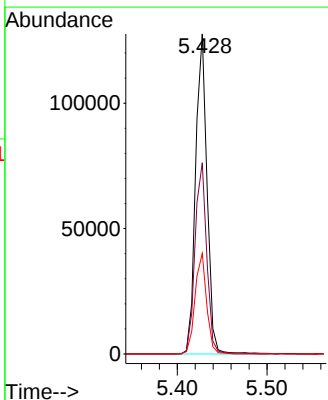
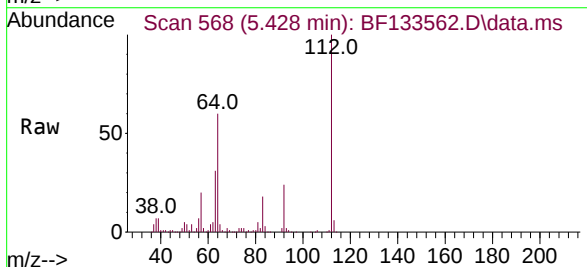
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

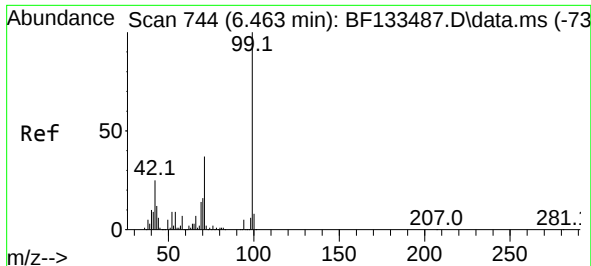
Tgt Ion:152 Resp: 110281
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 17.091 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:112 Resp: 112970
Ion Ratio Lower Upper
112 100
64 59.8 50.1 75.1
63 31.4 27.5 41.3

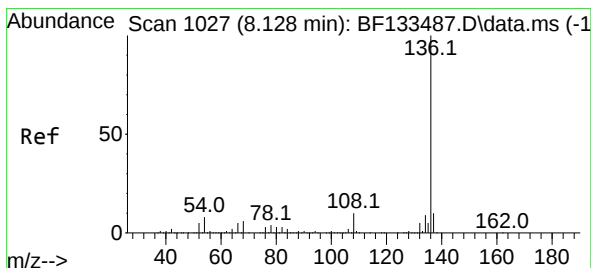
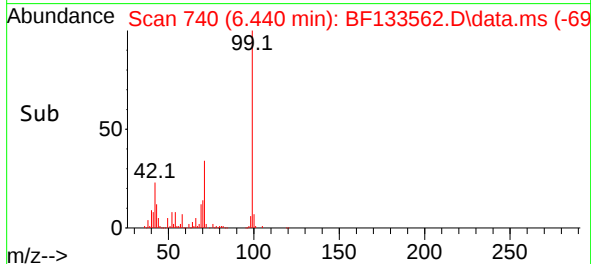
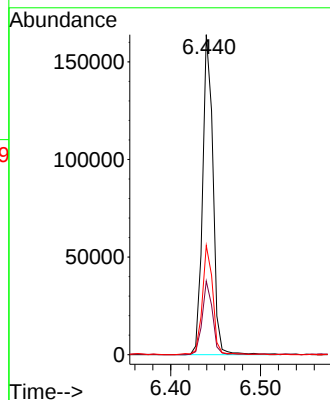
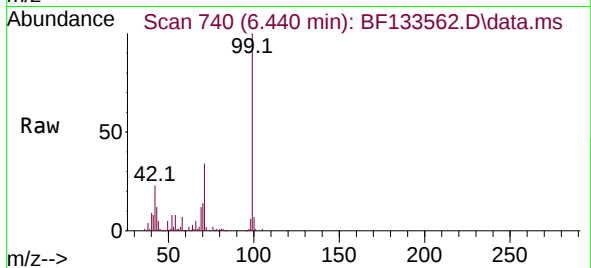




#7
Phenol-d6
Concen: 16.205 ng
RT: 6.440 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

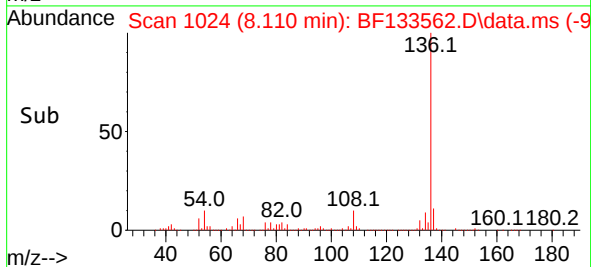
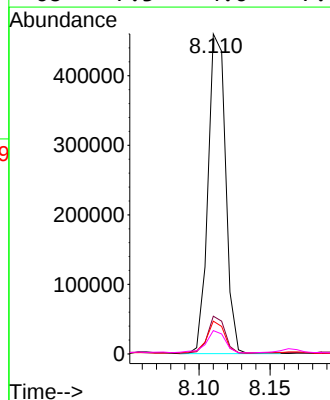
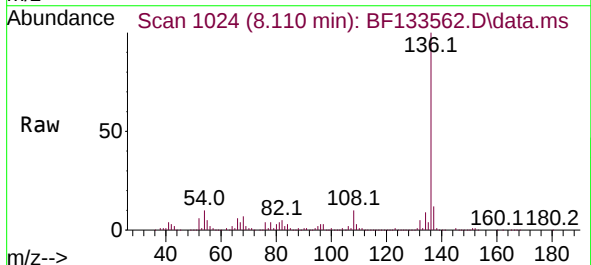
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

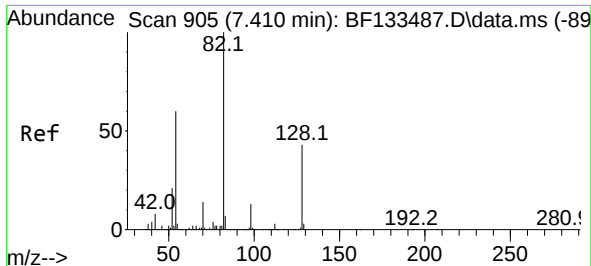
Tgt Ion: 99 Resp: 131853
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 34.1 29.8 44.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion: 136 Resp: 396941
Ion Ratio Lower Upper
136 100
137 11.8 8.2 12.4
54 10.3 6.6 10.0#
68 7.3 4.6 7.0#

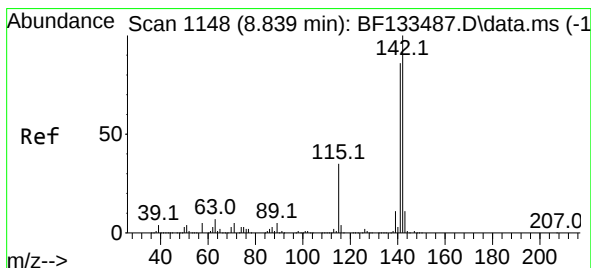
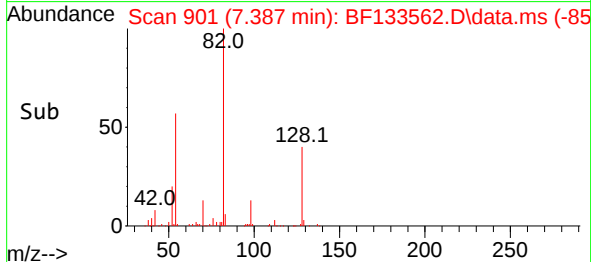
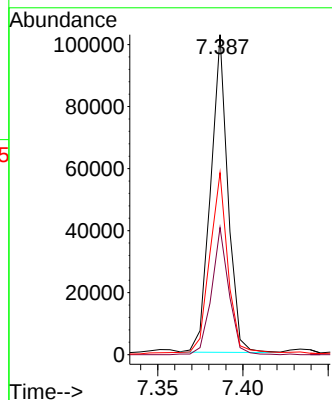
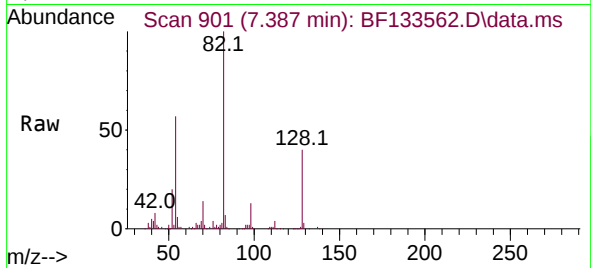




#23
Nitrobenzene-d5
Concen: 12.159 ng
RT: 7.387 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

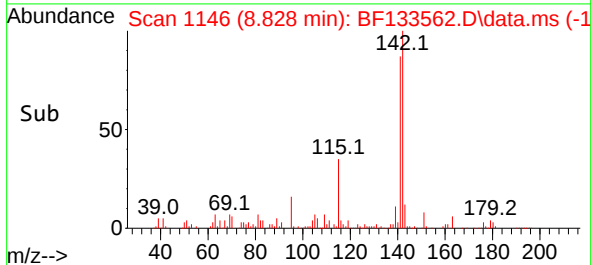
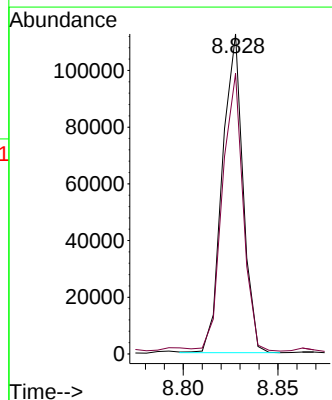
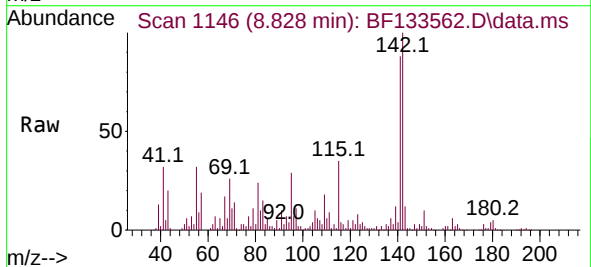
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

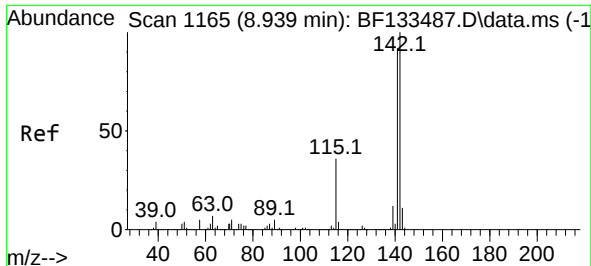
Tgt Ion: 82 Resp: 72285
Ion Ratio Lower Upper
82 100
128 39.8 34.2 51.4
54 56.9 48.2 72.4



#37
2-Methylnaphthalene
Concen: 6.478 ng
RT: 8.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion: 142 Resp: 85115
Ion Ratio Lower Upper
142 100
141 87.6 69.2 103.8

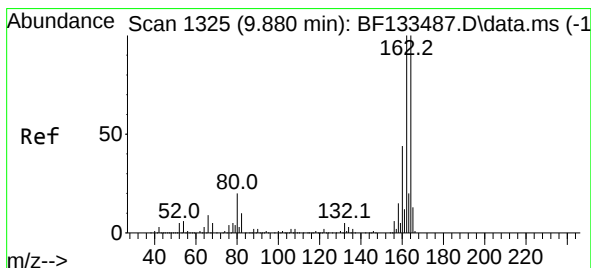
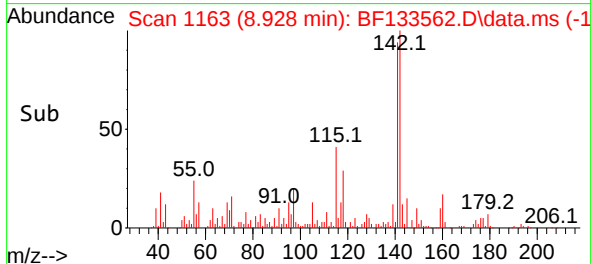
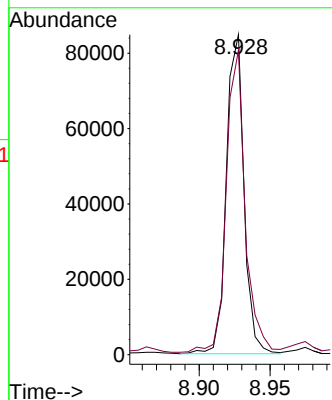
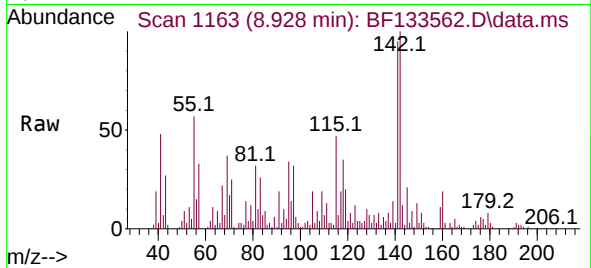




#38
1-Methylnaphthalene
Concen: 5.937 ng
RT: 8.928 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

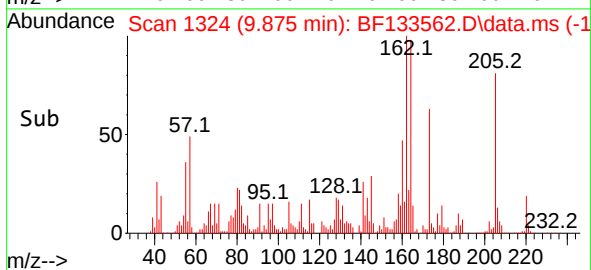
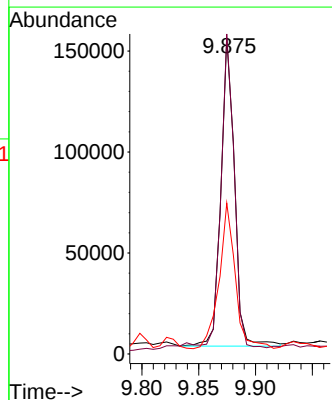
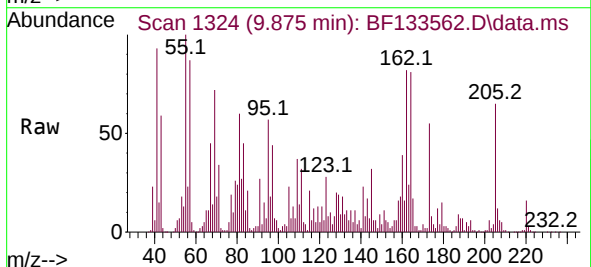
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

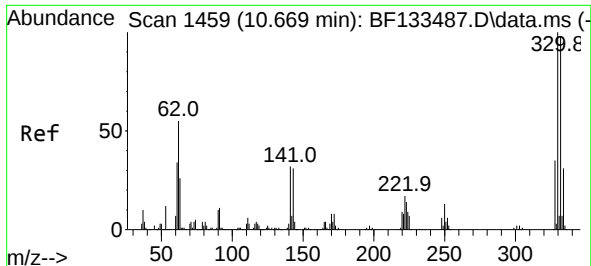
Tgt Ion:142 Resp: 72719
Ion Ratio Lower Upper
142 100
141 95.1 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:164 Resp: 127899
Ion Ratio Lower Upper
164 100
162 101.2 79.7 119.5
160 47.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 11.795 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.006 min

Lab File: BF133562.D

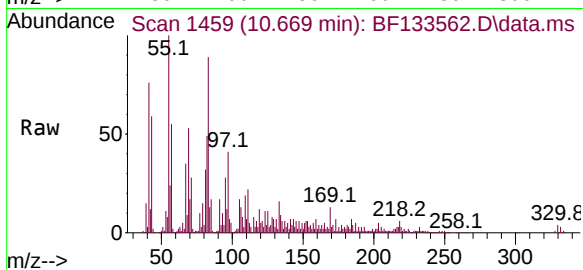
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Instrument :

BNA_F

ClientSampleId :

CO-115968RE



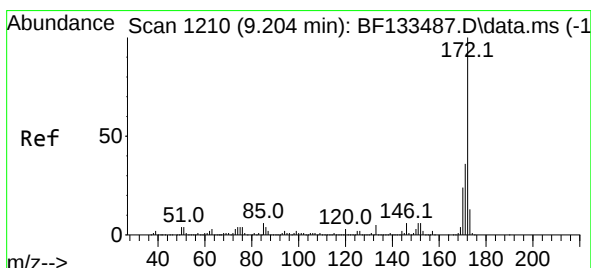
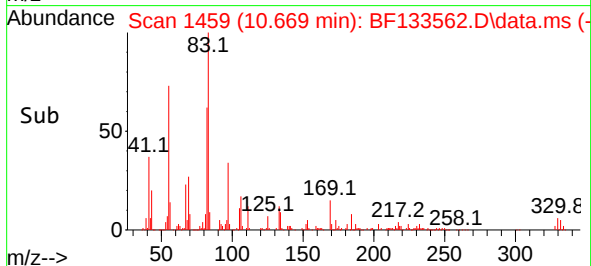
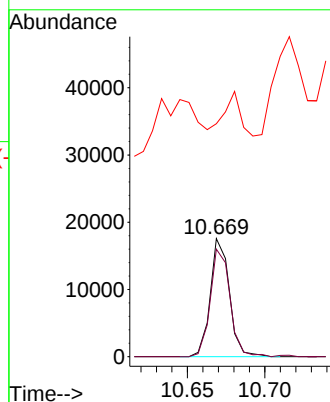
Tgt Ion:330 Resp: 15038

Ion Ratio Lower Upper

330 100

332 94.1 77.8 116.6

141 31.3 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 17.306 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

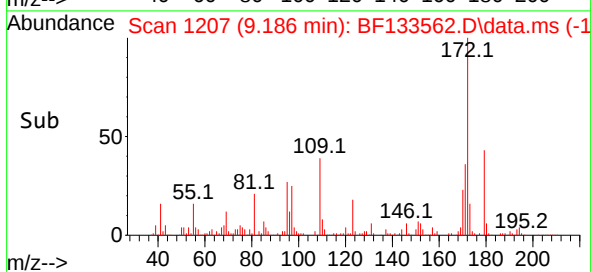
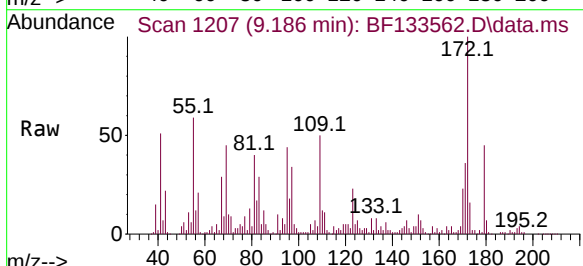
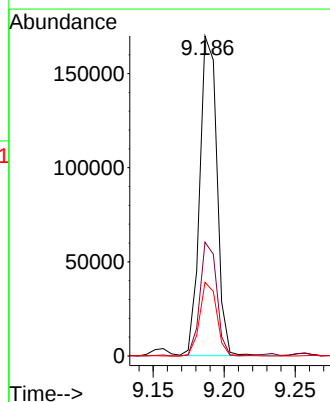
Tgt Ion:172 Resp: 143412

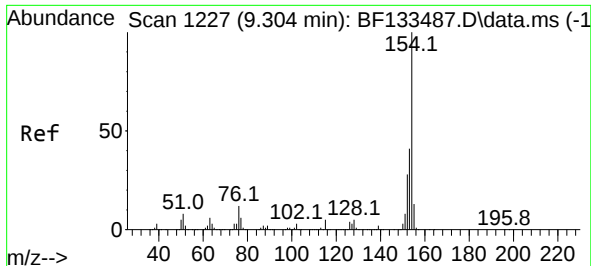
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.0 19.3 28.9

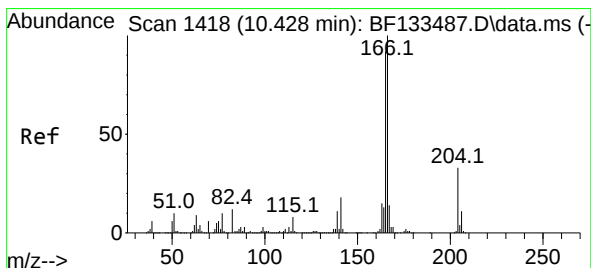
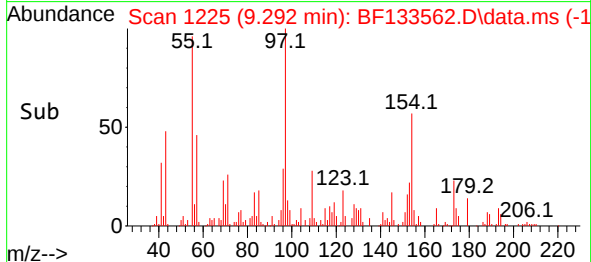
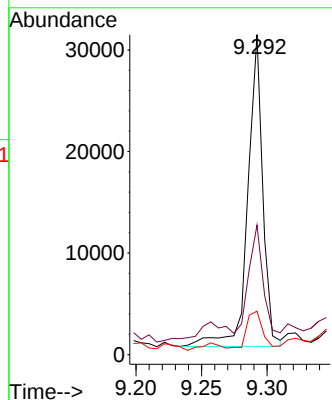
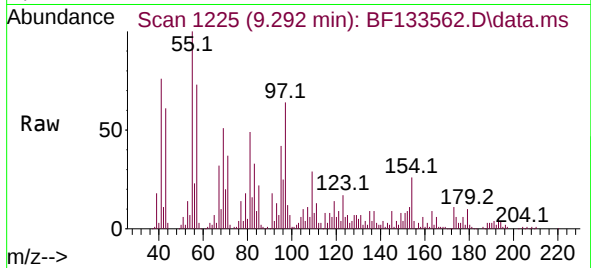




#46
1,1'-Biphenyl
Concen: 2.352 ng
RT: 9.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

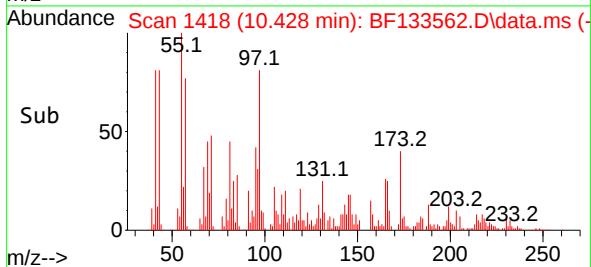
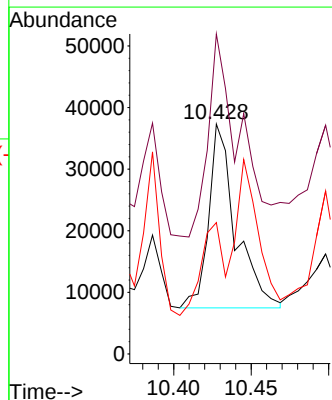
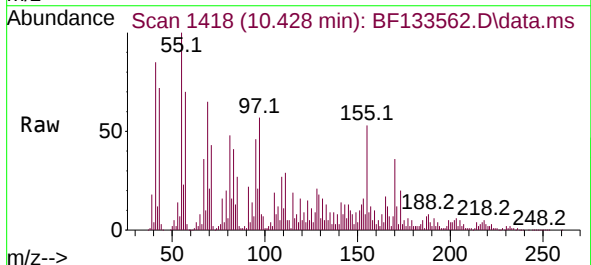
Instrument :
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ClientSampleId :
CO-115968RE

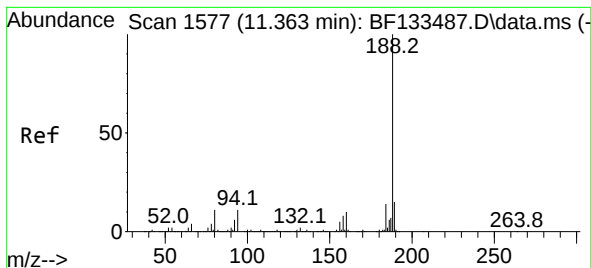
Tgt Ion:154 Resp: 24441
Ion Ratio Lower Upper
154 100
153 40.5 21.0 61.0
76 13.6 0.0 32.5



#58
Fluorene
Concen: 4.268 ng
RT: 10.428 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:166 Resp: 36220
Ion Ratio Lower Upper
166 100
165 139.2 73.4 110.0#
167 57.1 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.035 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

Instrument :

BNA_F

ClientSampleId :

CO-115968RE

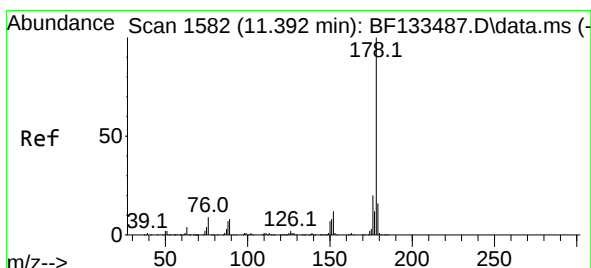
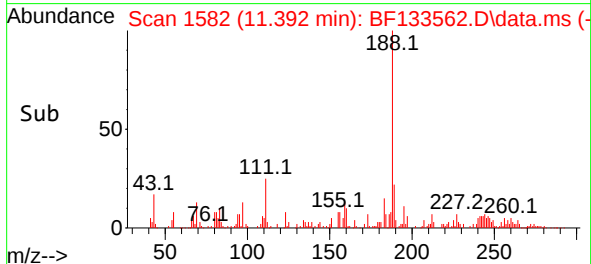
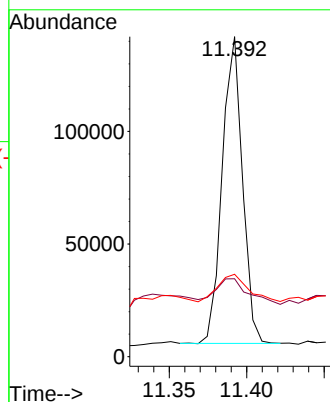
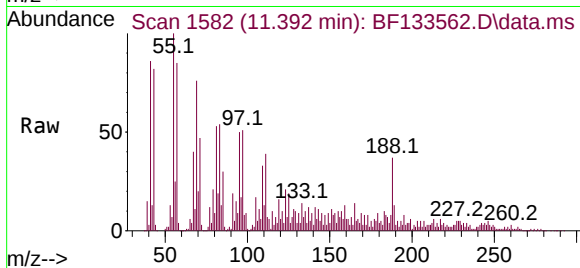
Tgt Ion:188 Resp: 123244

Ion Ratio Lower Upper

188 100

94 24.4 8.6 12.8#

80 25.8 9.2 13.8#



#71

Phenanthrene

Concen: 19.628 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.029 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

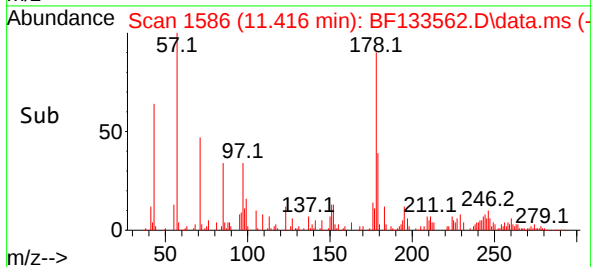
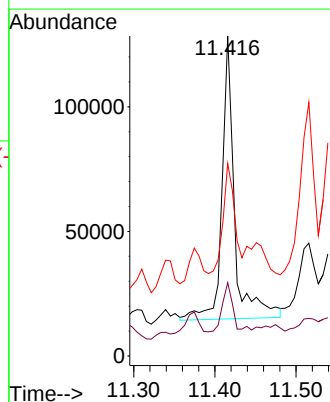
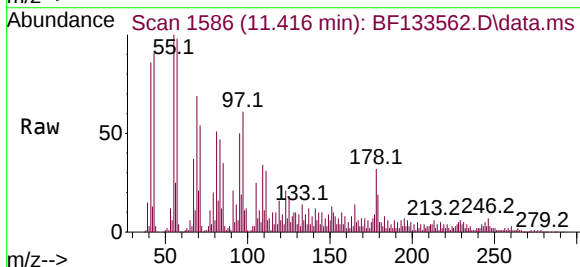
Tgt Ion:178 Resp: 122525

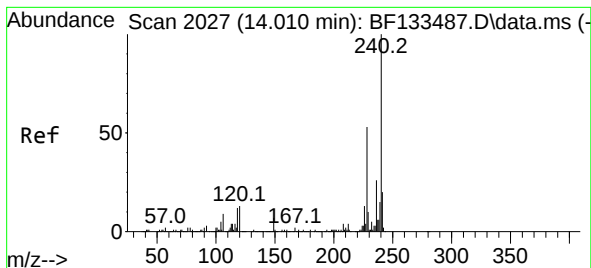
Ion Ratio Lower Upper

178 100

176 22.9 15.6 23.4

179 60.1 12.4 18.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2027

Delta R.T. 0.029 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

Instrument :

BNA_F

ClientSampleId :

CO-115968RE

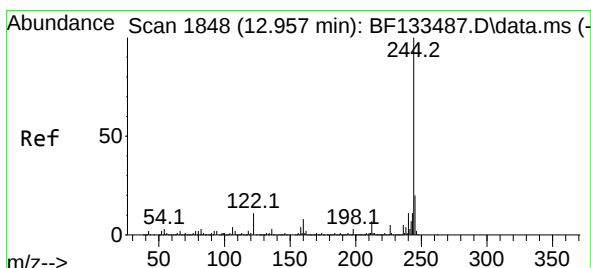
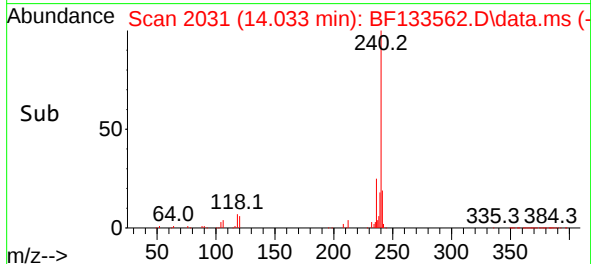
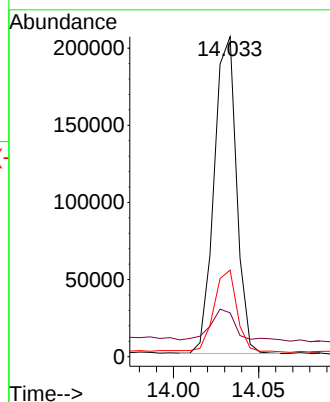
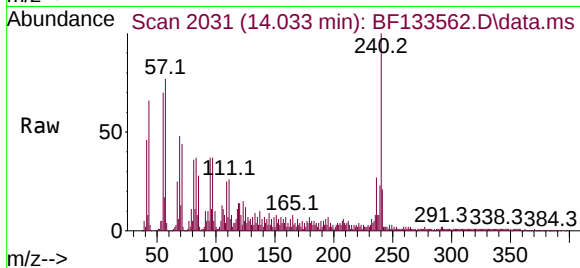
Tgt Ion:240 Resp: 188137

Ion Ratio Lower Upper

240 100

120 13.7 10.3 15.5

236 27.1 20.5 30.7



#79

Terphenyl-d14

Concen: 7.169 ng

RT: 12.992 min Scan# 1854

Delta R.T. 0.041 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

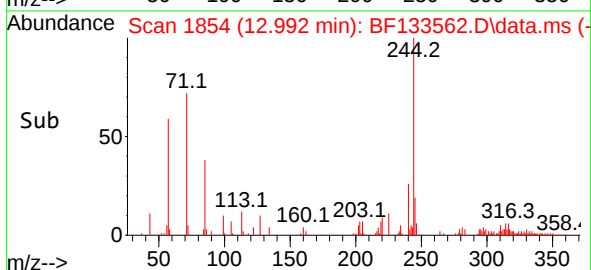
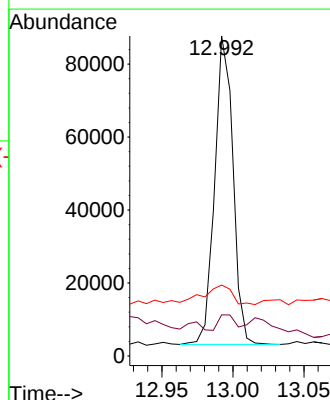
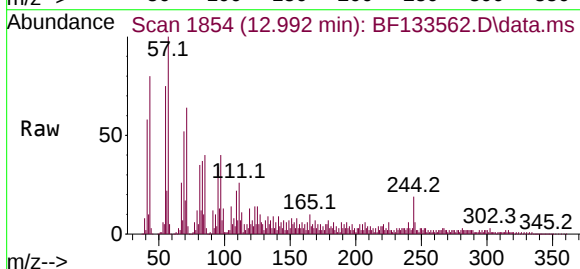
Tgt Ion:244 Resp: 75862

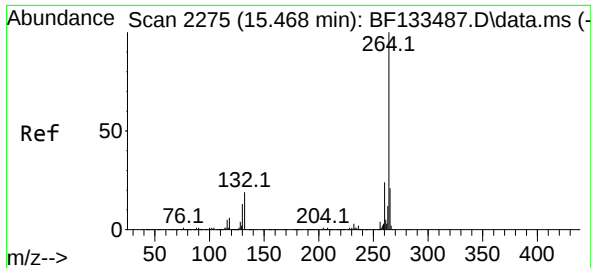
Ion Ratio Lower Upper

244 100

212 12.9 5.8 8.6#

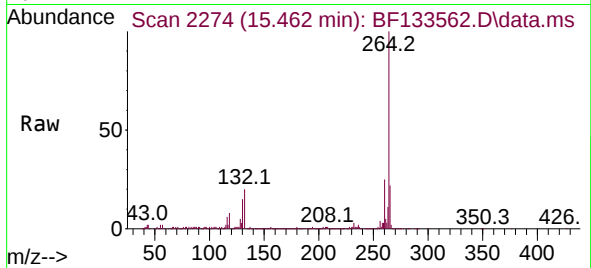
122 22.2 8.5 12.7#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.462 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF133562.D
 Acq: 02 Jun 2023 16:53

Instrument :
 BNA_F
 ClientSampleId :
 CO-115968RE



Tgt Ion:264 Resp: 258086
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.0 28.4
 265 21.9 16.8 25.2

