

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141355.D
 Acq On : 01 Feb 2025 01:51
 Operator : RC/JU
 Sample : Q1239-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

Quant Time: Feb 01 03:01:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

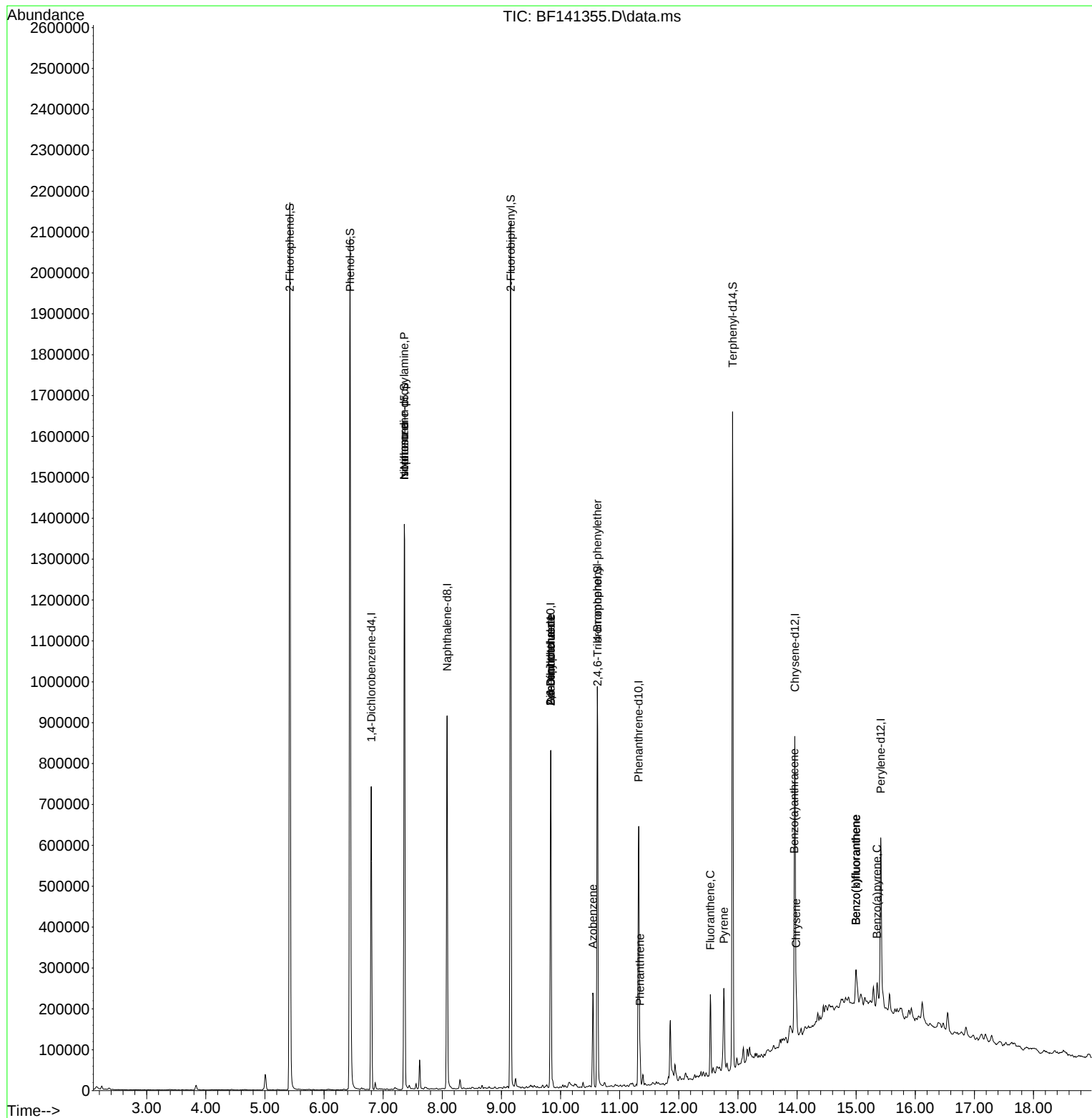
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	147018	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	551923	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	237482	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	318214	20.000	ng	0.00
76) Chrysene-d12	13.963	240	316055	20.000	ng	-0.01
86) Perylene-d12	15.416	264	244978	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	804870	84.047	ng	0.01
7) Phenol-d6	6.440	99	981440	80.562	ng	0.00
23) Nitrobenzene-d5	7.357	82	608141	58.086	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	152491	70.041	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	926673	60.060	ng	0.00
79) Terphenyl-d14	12.910	244	762794	37.220	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	80276	11.090	ng	# 77
25) Isophorone	7.357	82	601066	33.212	ng	# 64
50) Dimethylphthalate	9.834	163	36257	2.260	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	31428	8.439	ng	# 23
57) 2,4-Dinitrotoluene	9.834	165	31428	6.518	ng	# 23
63) Azobenzene	10.545	77	57058	3.665	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	10659	2.992	ng	# 1
71) Phenanthrene	11.345	178	41168	2.407	ng	98
75) Fluoranthene	12.533	202	108314	6.413	ng	99
78) Pyrene	12.763	202	114613	3.778	ng	98
81) Benzo(a)anthracene	13.951	228	59980	2.750	ng	94
83) Chrysene	13.986	228	49710	2.487	ng	97
88) Benzo(b)fluoranthene	14.998	252	69344	4.500	ng	# 93
89) Benzo(k)fluoranthene	14.998	252	69344	5.080	ng	# 94
90) Benzo(a)pyrene	15.351	252	35637	2.737	ng	# 90

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

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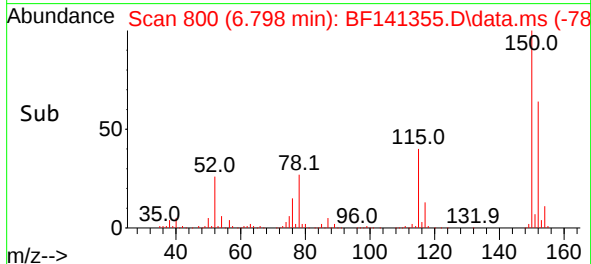
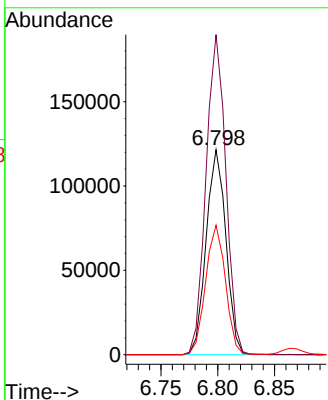
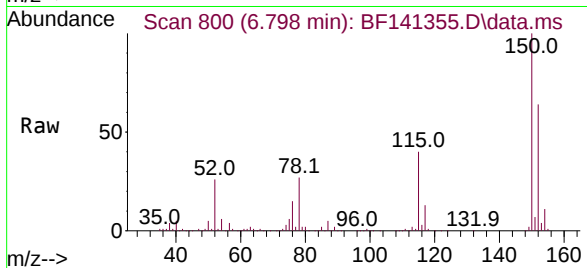




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141355.D
 Acq: 01 Feb 2025 01:51

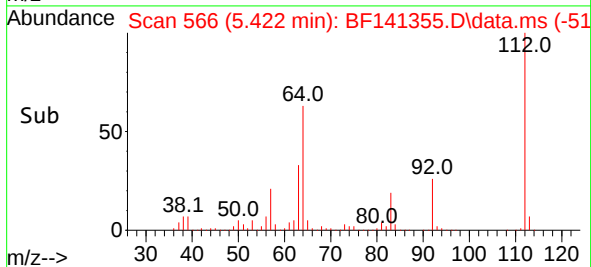
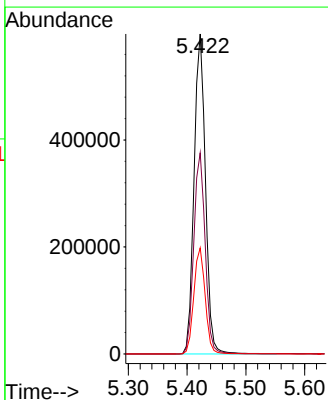
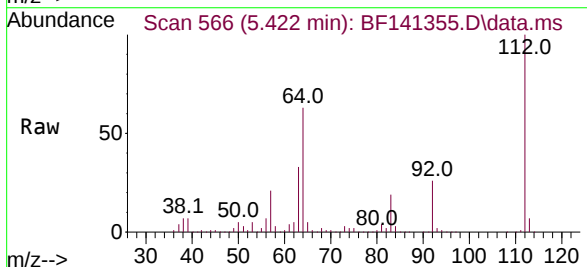
Instrument :
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 348

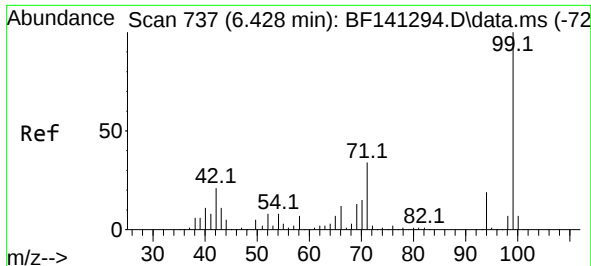
Tgt Ion:152 Resp: 147018
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.9 188.9
 115 63.2 49.7 74.5



#5
 2-Fluorophenol
 Concen: 84.047 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141355.D
 Acq: 01 Feb 2025 01:51

Tgt Ion:112 Resp: 804870
 Ion Ratio Lower Upper
 112 100
 64 62.8 49.8 74.8
 63 33.2 26.1 39.1

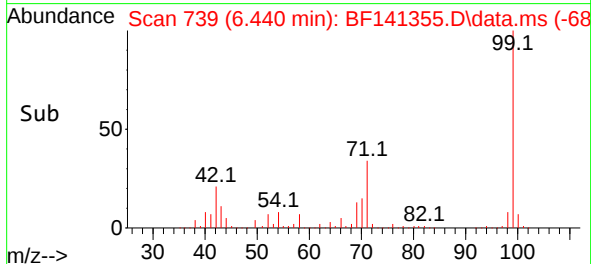
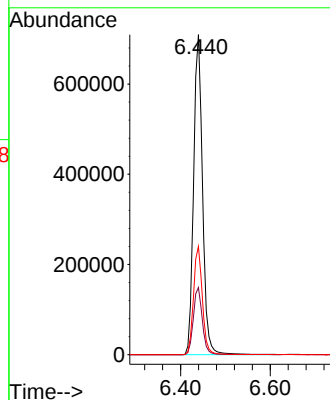
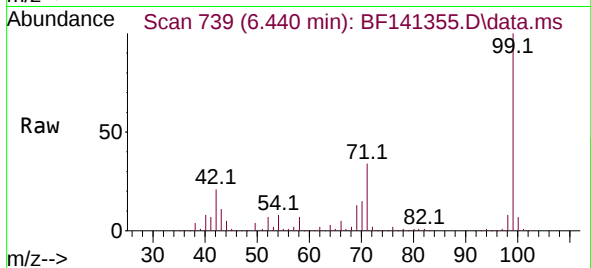




#7
Phenol-d6
Concen: 80.562 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

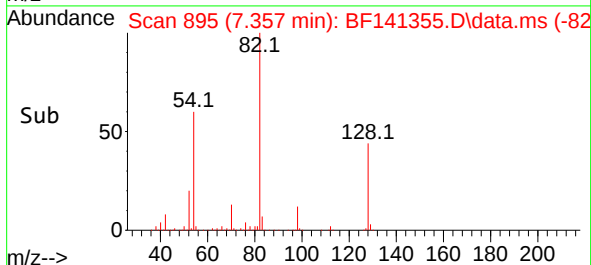
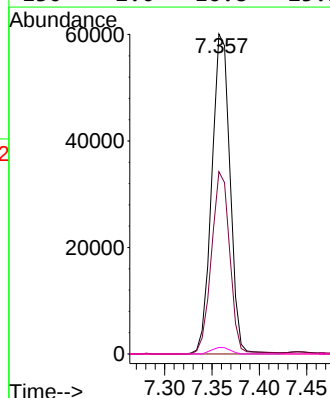
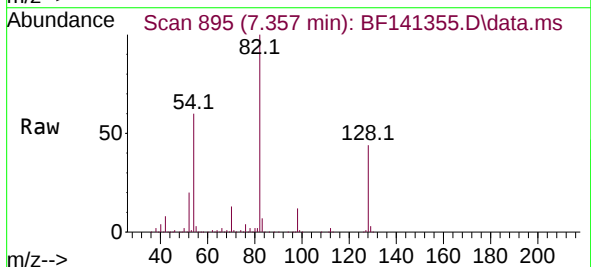
Instrument :
BNA_F
ClientSampleId :
348

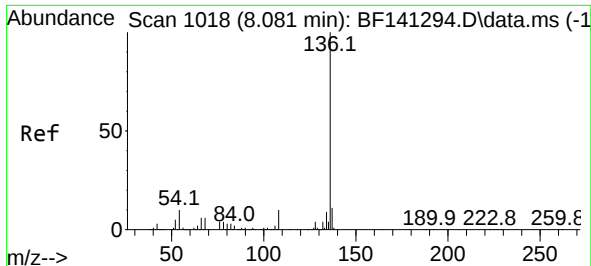
Tgt Ion: 99 Resp: 981440
Ion Ratio Lower Upper
99 100
42 21.0 17.1 25.7
71 33.8 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.090 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

Tgt Ion: 70 Resp: 80276
Ion Ratio Lower Upper
70 100
42 57.0 56.8 85.2
101 0.0 7.7 11.5#
130 2.0 16.8 25.2#



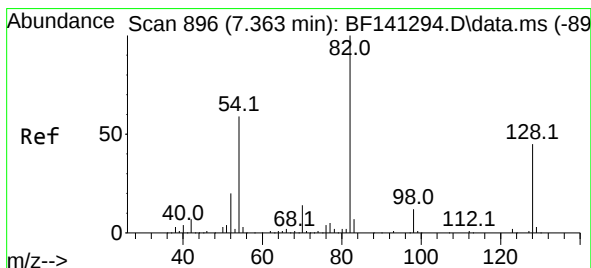
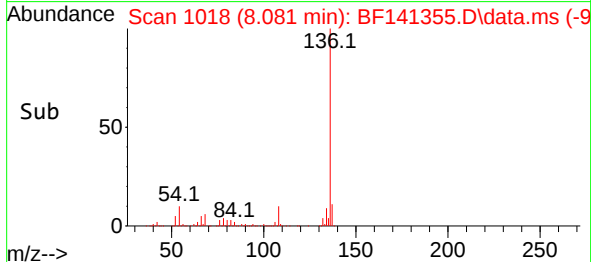
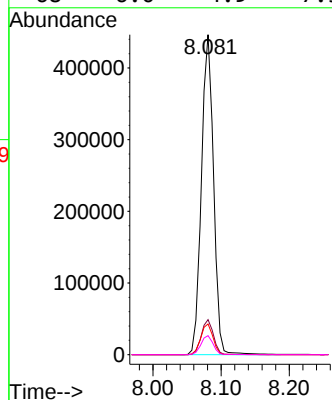
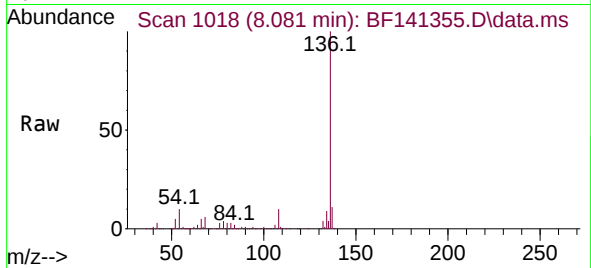


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion:136 Resp: 551923

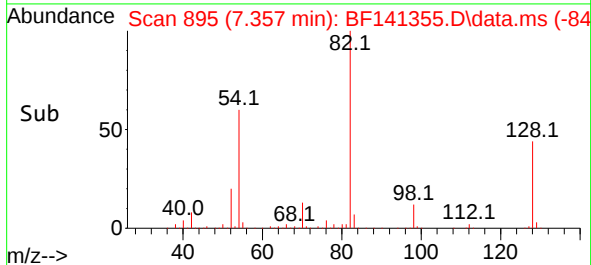
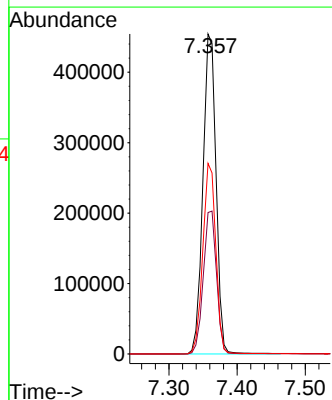
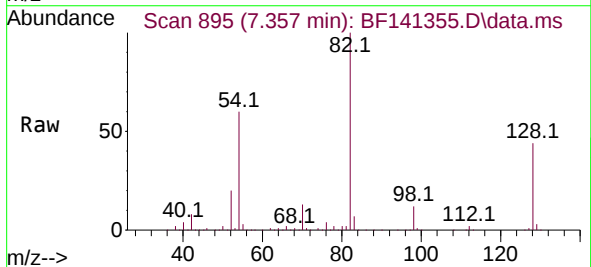
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.6	7.8	11.8
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 58.086 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

Tgt Ion: 82 Resp: 608141

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	59.6	47.1	70.7

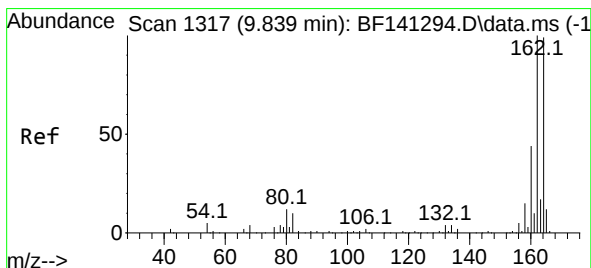
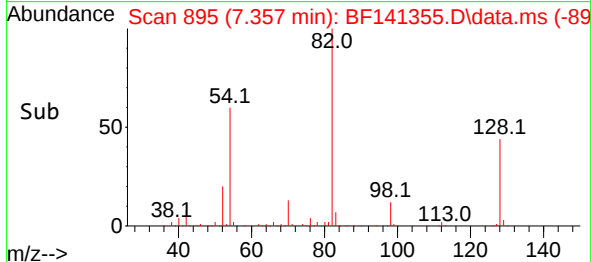
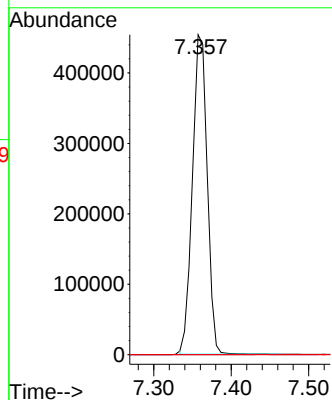
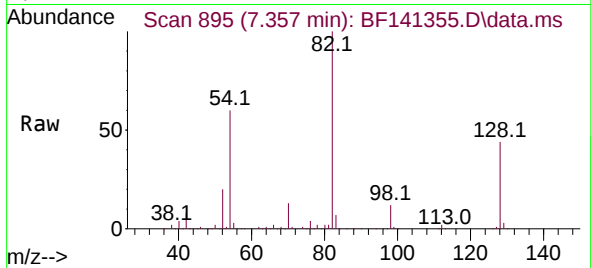




#25
Isophorone
Concen: 33.212 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

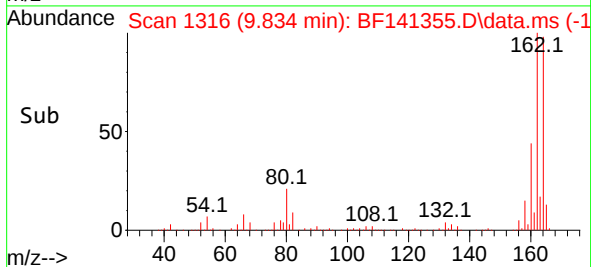
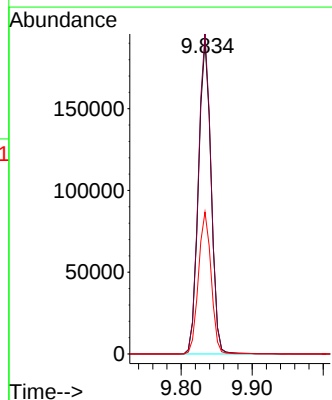
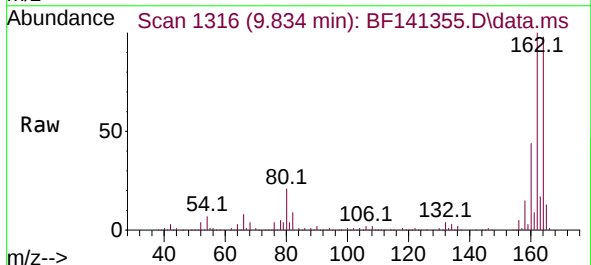
Instrument :
BNA_F
ClientSampleId :
348

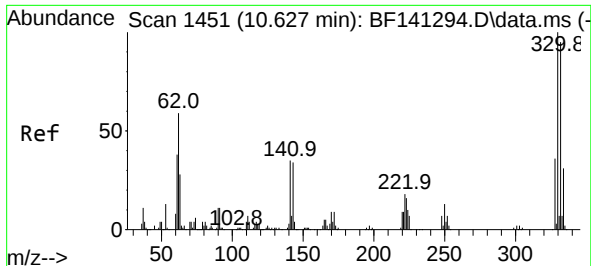
Tgt Ion: 82 Resp: 601066
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

Tgt Ion: 164 Resp: 237482
Ion Ratio Lower Upper
164 100
162 102.3 80.6 121.0
160 45.4 35.8 53.6

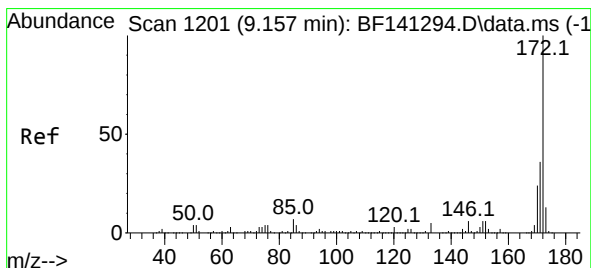
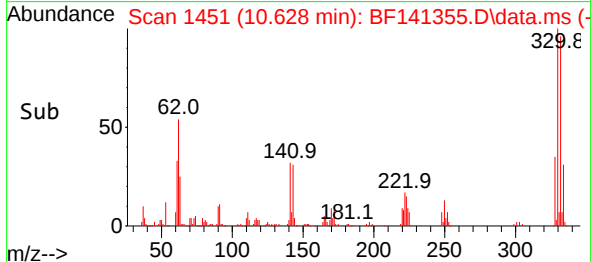
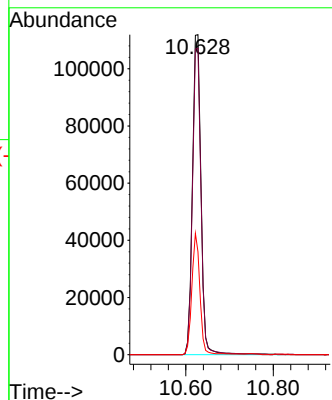
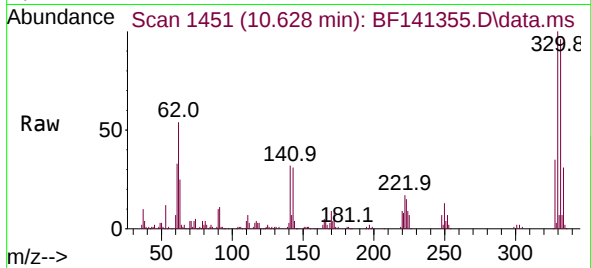




#42
2,4,6-Tribromophenol
Concen: 70.041 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

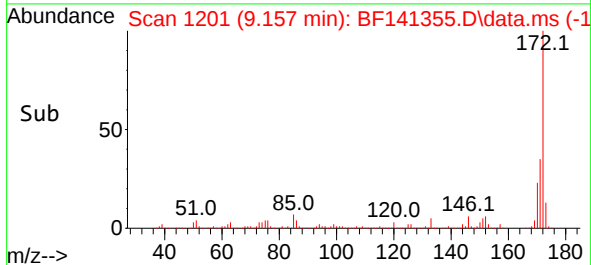
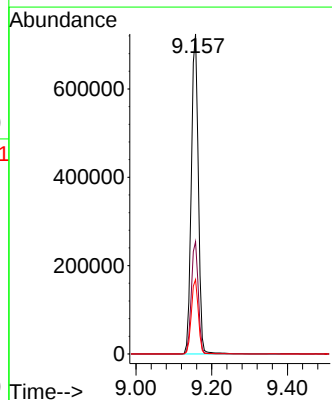
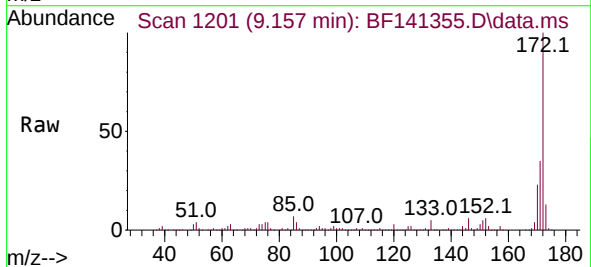
Instrument :
BNA_F
ClientSampleId :
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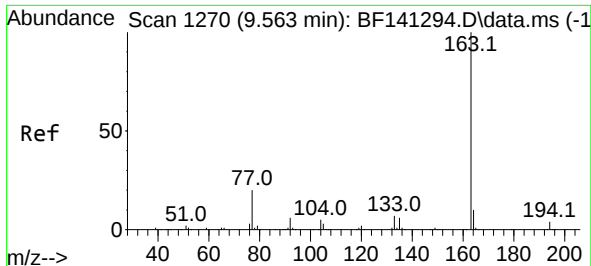
Tgt Ion:330 Resp: 152491
Ion Ratio Lower Upper
330 100
332 95.8 76.1 114.1
141 35.9 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 60.060 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

Tgt Ion:172 Resp: 926673
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.3 19.0 28.6

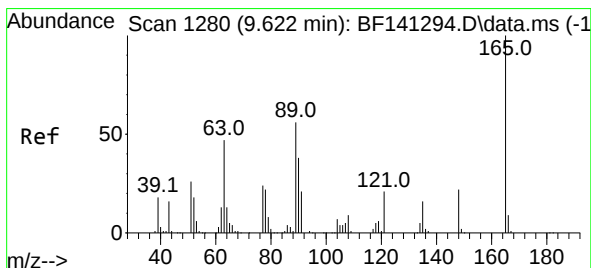
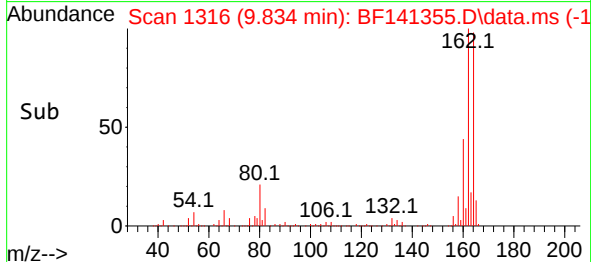
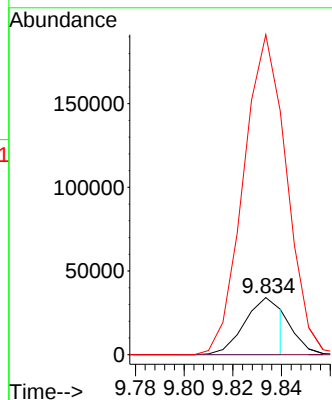
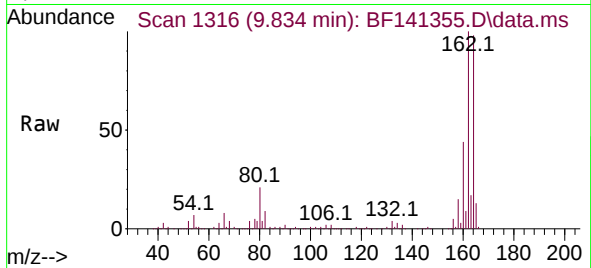




#50
Dimethylphthalate
Concen: 2.260 ng
RT: 9.834 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

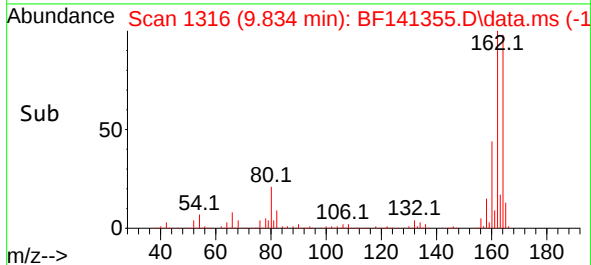
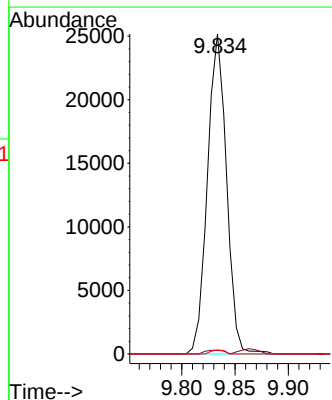
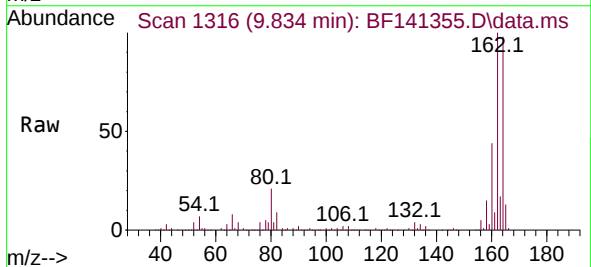
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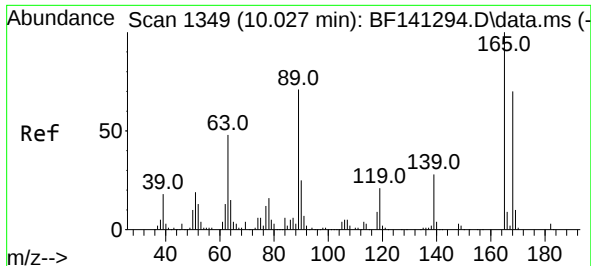
Tgt Ion:163 Resp: 36257
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 560.6 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.439 ng
RT: 9.834 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

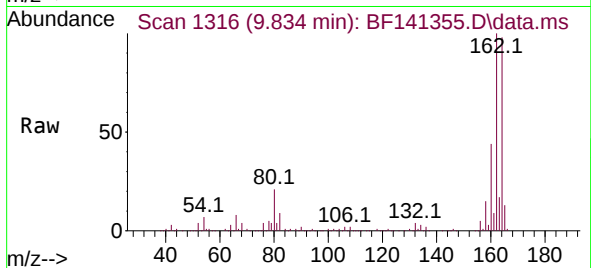
Tgt Ion:165 Resp: 31428
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.2 44.9 67.3#



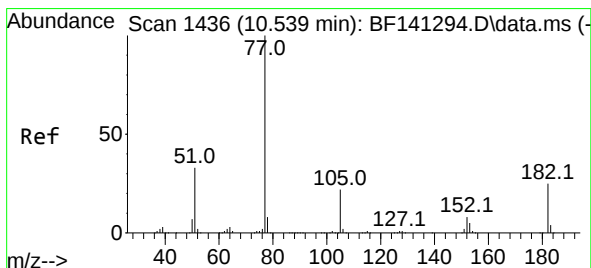
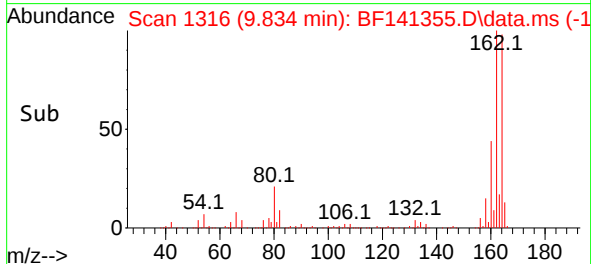
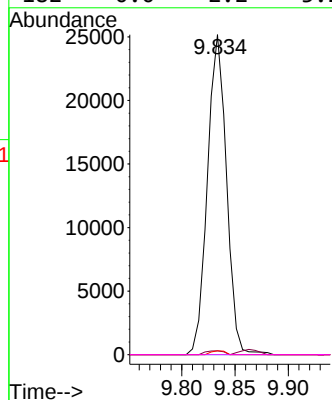


#57
2,4-Dinitrotoluene
Concen: 6.518 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

Instrument :
BNA_F
ClientSampleId :
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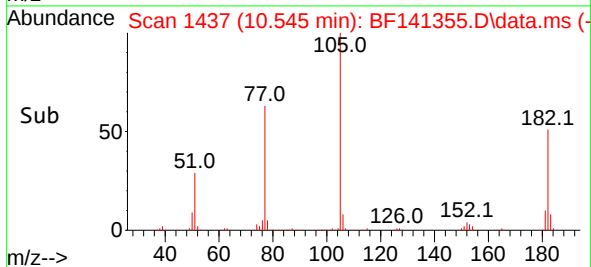
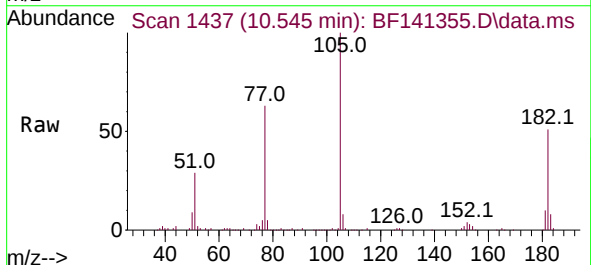
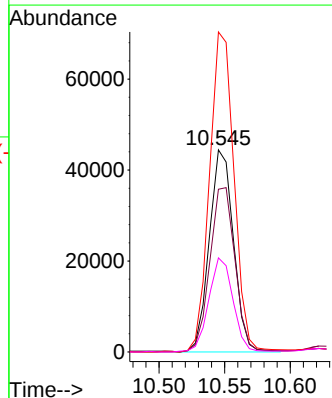


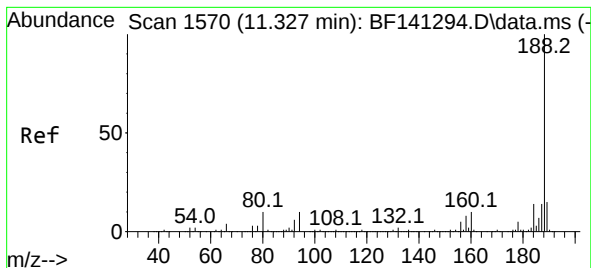
Tgt Ion:165 Resp: 31428
Ion Ratio Lower Upper
165 100
63 1.2 39.2 58.8#
89 1.2 56.9 85.3#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.665 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF141355.D
Acq: 01 Feb 2025 01:51

Tgt Ion: 77 Resp: 57058
Ion Ratio Lower Upper
77 100
182 80.5 5.1 45.1#
105 158.3 1.8 41.8#
51 46.5 14.0 54.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

Instrument :

BNA_F

ClientSampleId :

348

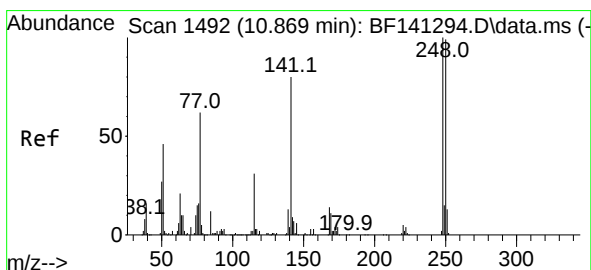
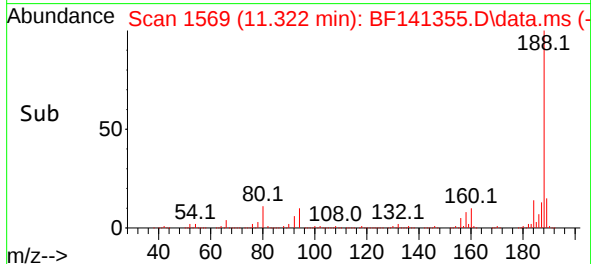
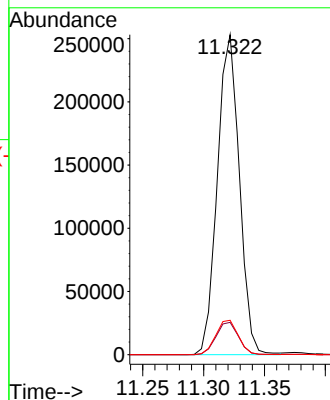
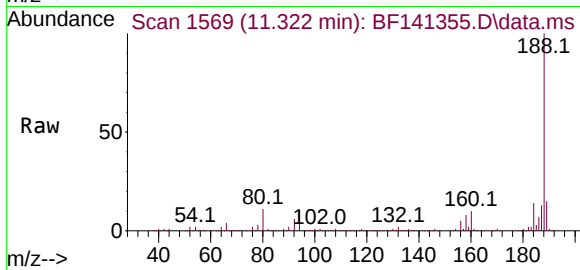
Tgt Ion:188 Resp: 318214

Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

80 10.8 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 2.992 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

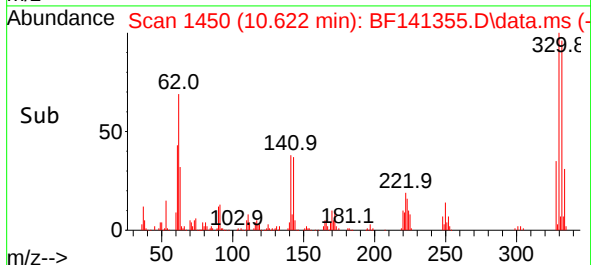
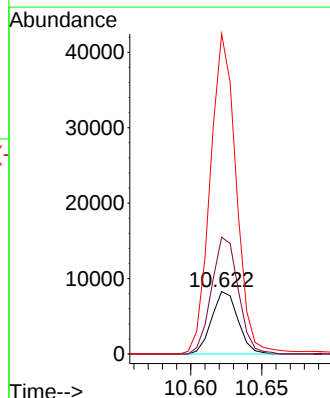
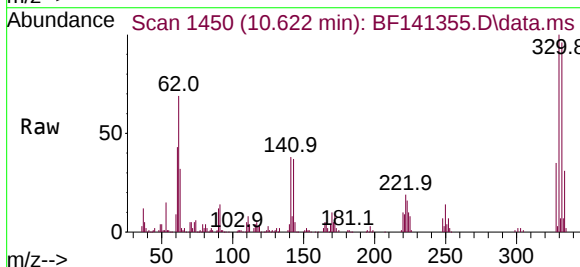
Tgt Ion:248 Resp: 10659

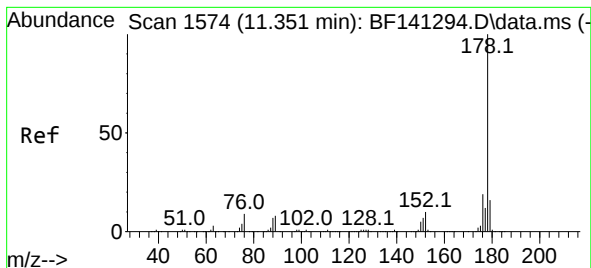
Ion Ratio Lower Upper

248 100

250 187.4 79.0 118.4#

141 513.2 63.7 95.5#





#71

Phenanthrene

Concen: 2.407 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

Instrument :

BNA_F

ClientSampleId :

348

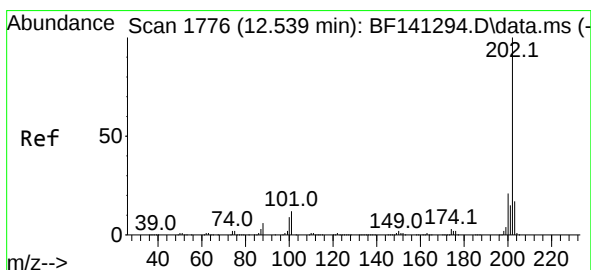
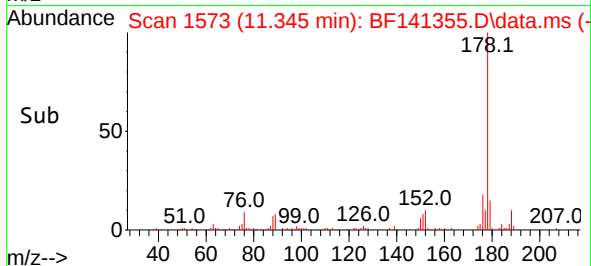
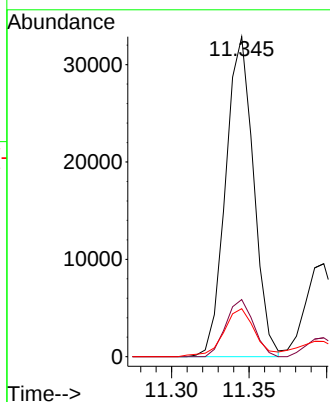
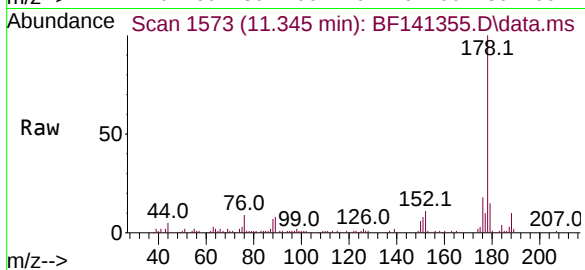
Tgt Ion:178 Resp: 41168

Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

179 15.0 12.5 18.7



#75

Fluoranthene

Concen: 6.413 ng

RT: 12.533 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

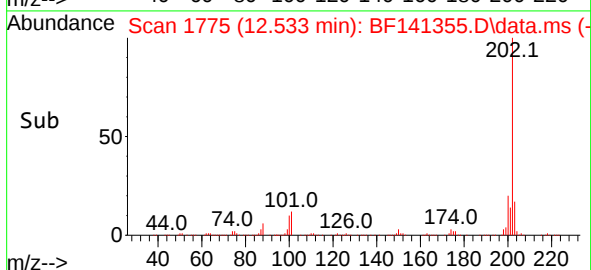
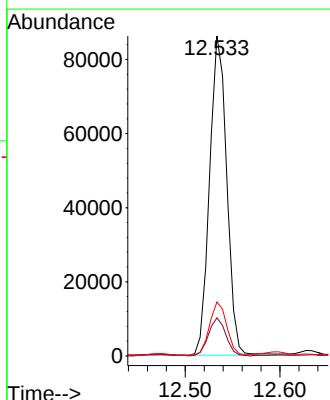
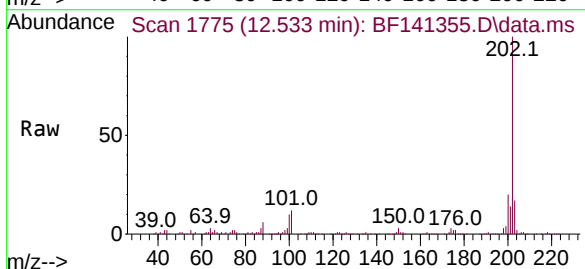
Tgt Ion:202 Resp: 108314

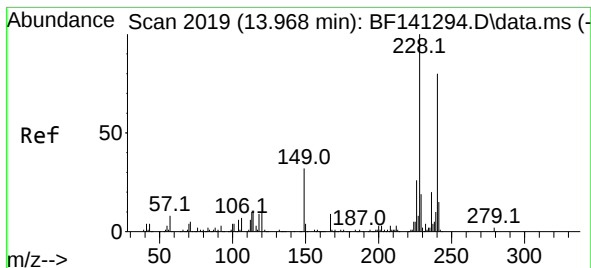
Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.7

203 16.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

Instrument :

BNA_F

ClientSampleId :

348

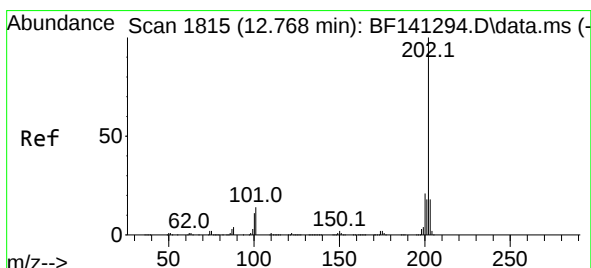
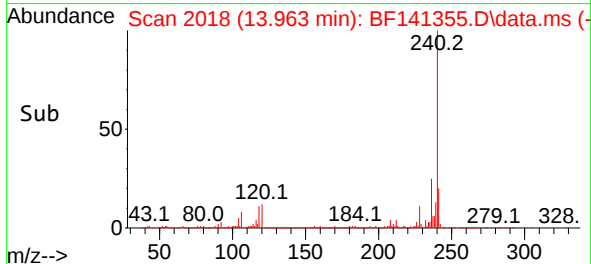
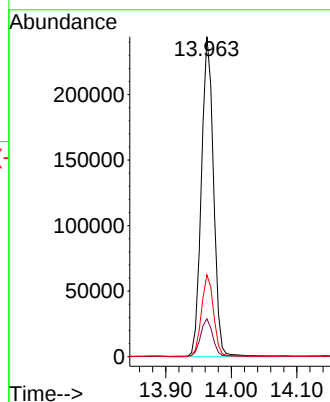
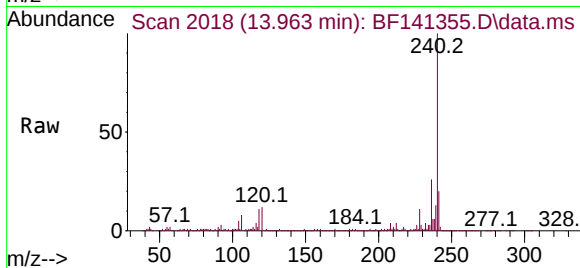
Tgt Ion:240 Resp: 316055

Ion Ratio Lower Upper

240 100

120 11.8 10.0 15.0

236 25.6 19.7 29.5



#78

Pyrene

Concen: 3.778 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

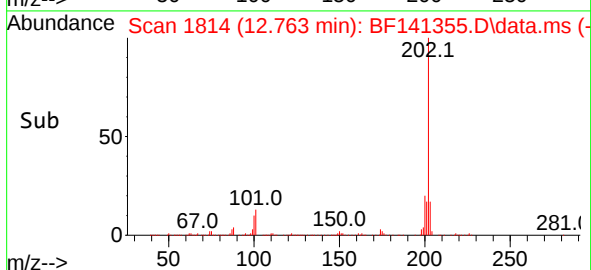
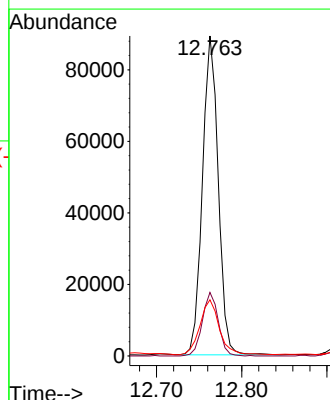
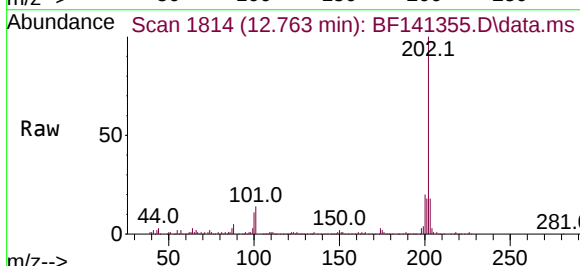
Tgt Ion:202 Resp: 114613

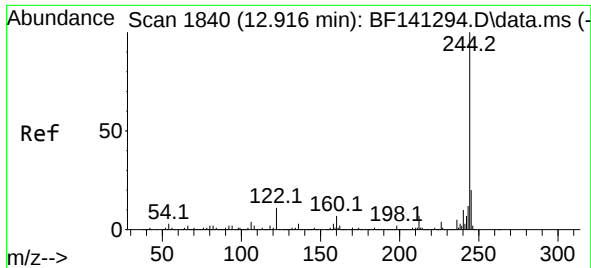
Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.4

203 17.6 14.3 21.5

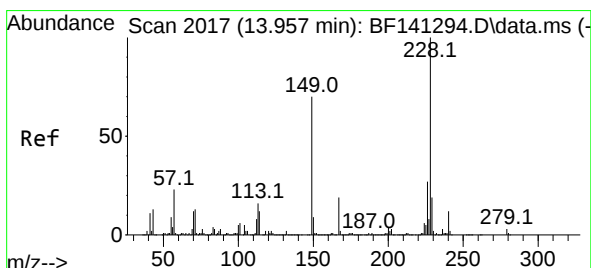
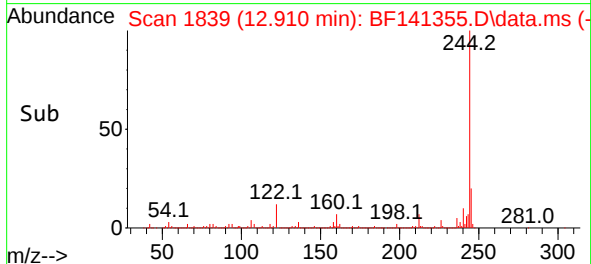
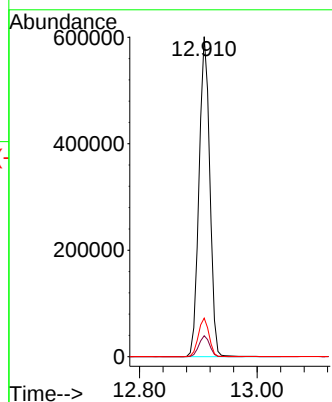
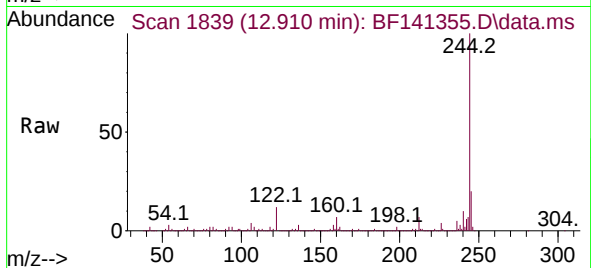




#79
 Terphenyl-d14
 Concen: 37.220 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF141355.D
 Acq: 01 Feb 2025 01:51

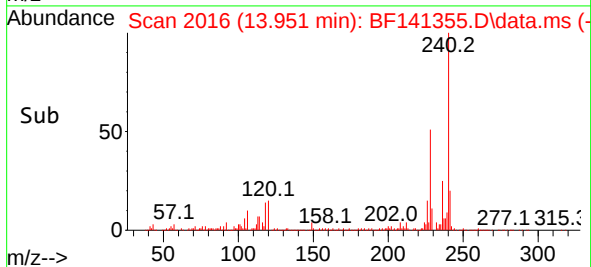
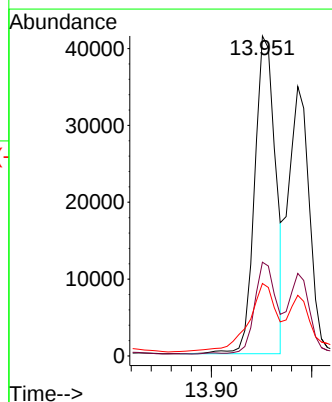
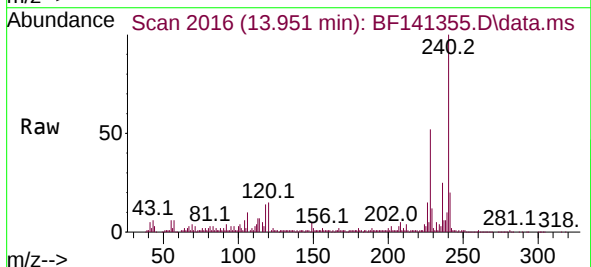
Instrument :
 BNA_F
 ClientSampleId :
 348

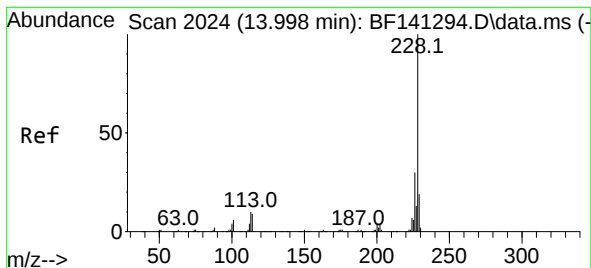
Tgt Ion:244 Resp: 762794
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.0 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 2.750 ng
 RT: 13.951 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF141355.D
 Acq: 01 Feb 2025 01:51

Tgt Ion:228 Resp: 59980
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.4 32.2
 229 22.6 15.5 23.3





#83

Chrysene

Concen: 2.487 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

Instrument :

BNA_F

ClientSampleId :

348

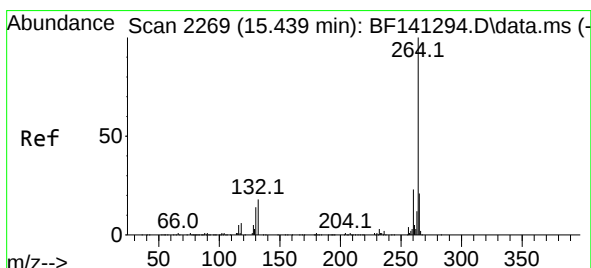
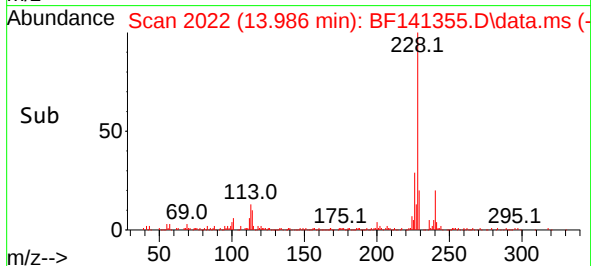
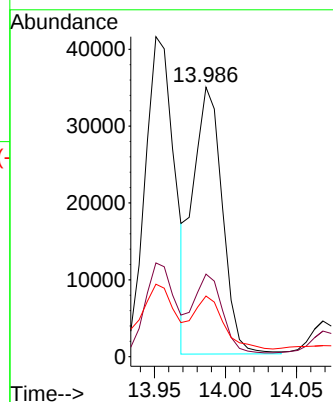
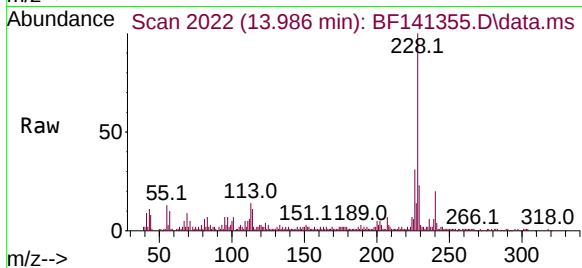
Tgt Ion:228 Resp: 49710

Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

229 22.5 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

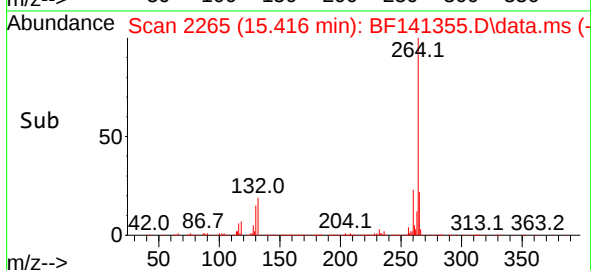
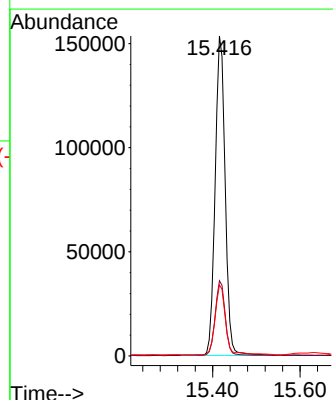
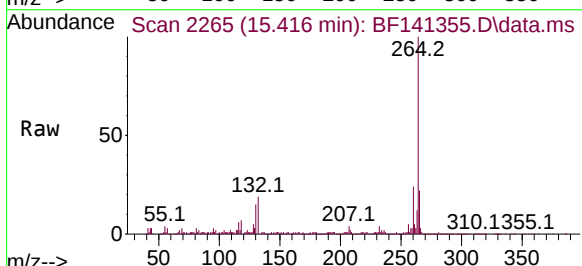
Tgt Ion:264 Resp: 244978

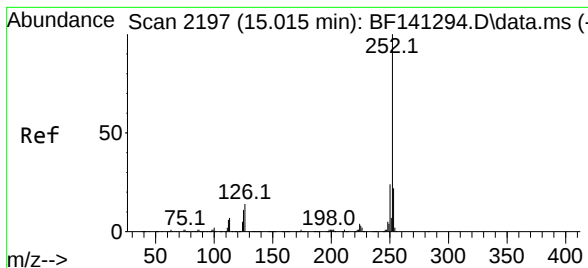
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 22.2 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 4.500 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

Instrument :

BNA_F

ClientSampleId :

348

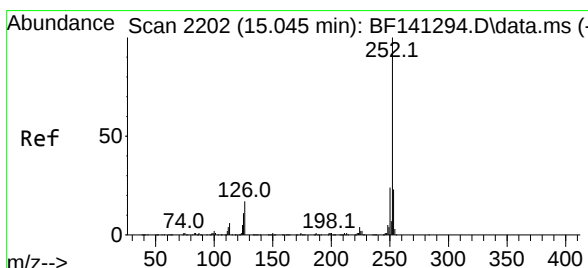
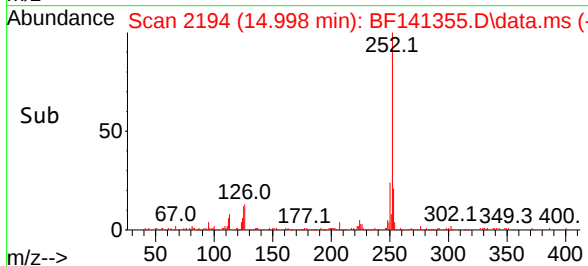
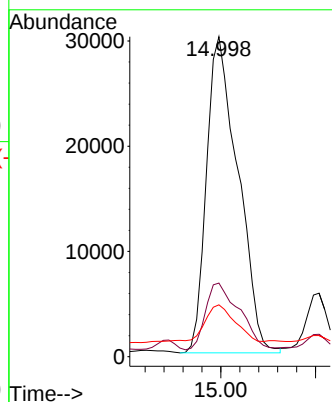
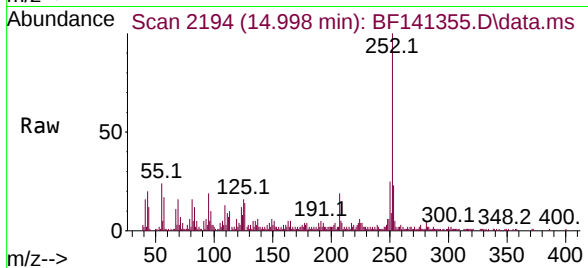
Tgt Ion:252 Resp: 69344

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 16.2 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 5.080 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.053 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

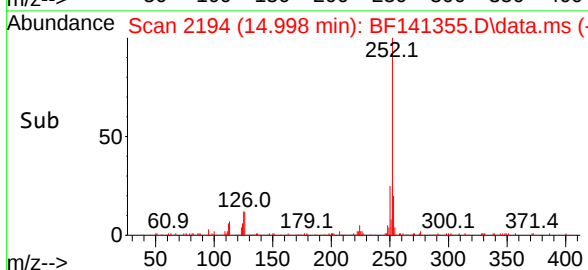
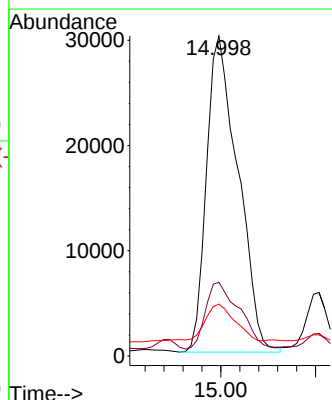
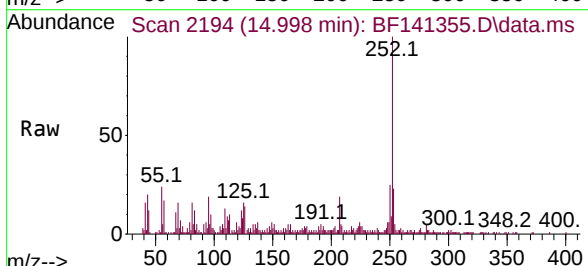
Tgt Ion:252 Resp: 69344

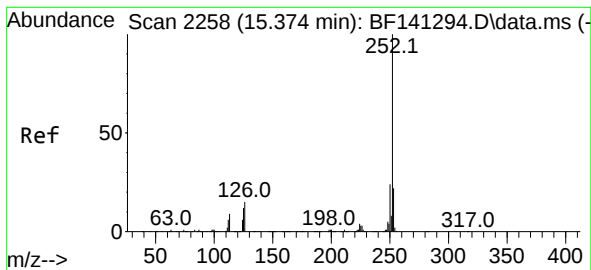
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 16.2 8.4 12.6#





#90

Benzo(a)pyrene

Concen: 2.737 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141355.D

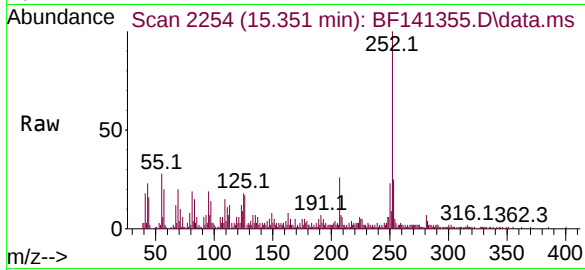
Acq: 01 Feb 2025 01:51

Instrument :

BNA_F

ClientSampleId :

348



Tgt Ion:252 Resp: 35637

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 18.2 9.4 14.2#

