

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
 Data File : BF142016.D
 Acq On : 20 Mar 2025 17:36
 Operator : RC/JU
 Sample : Q1606-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4534

Quant Time: Mar 20 18:10:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

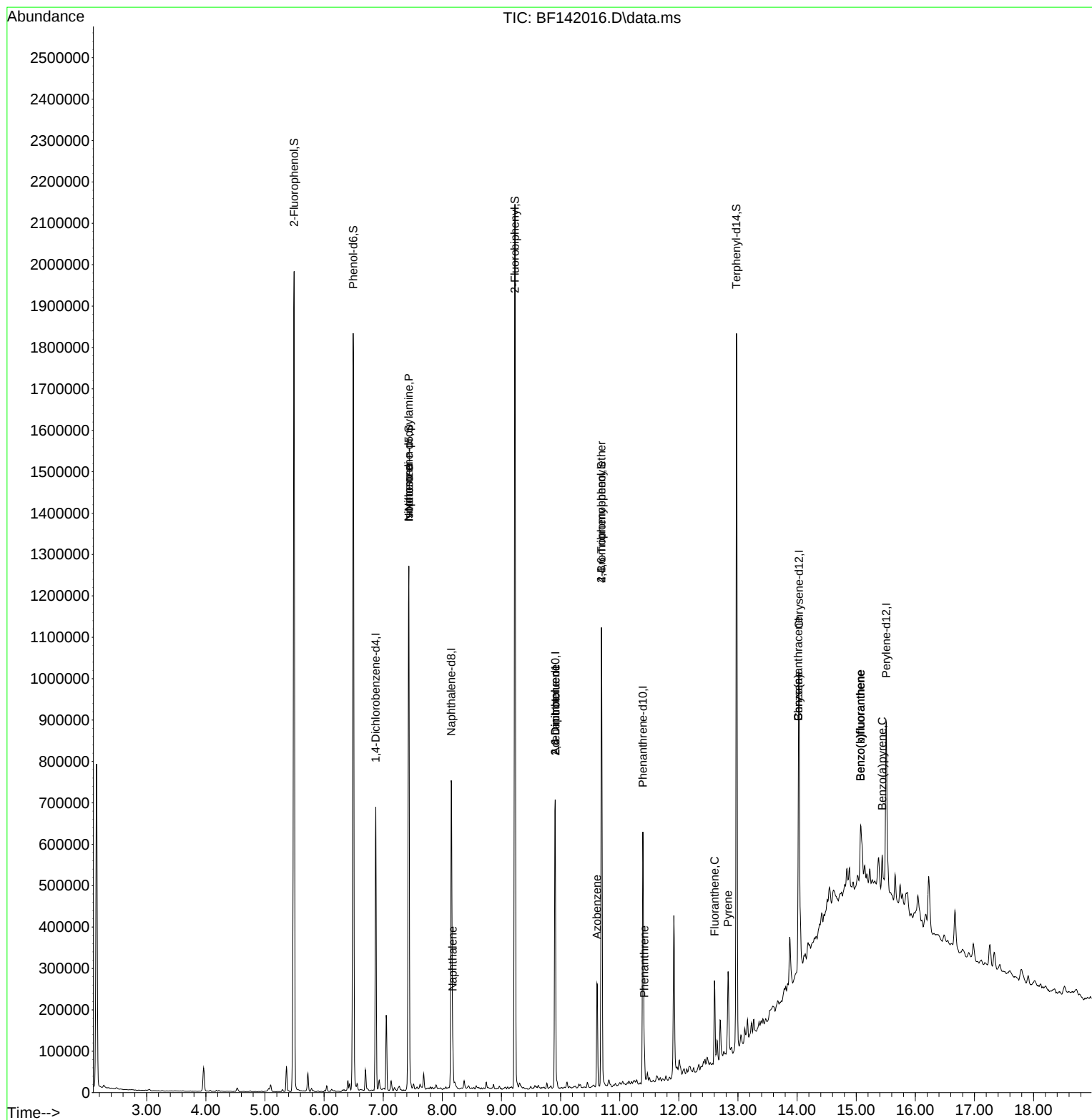
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	143523	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	501069	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	215088	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	311662	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	333529	20.000	ng	0.00
86) Perylene-d12	15.510	264	253079	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	768097	89.318	ng	0.00
7) Phenol-d6	6.492	99	893600	81.614	ng	-0.01
23) Nitrobenzene-d5	7.434	82	576105	64.703	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	199330	73.050	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	918466	64.941	ng	-0.01
79) Terphenyl-d14	12.974	244	885113	39.235	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	80259	11.408	ng	# 77
25) Isophorone	7.434	82	566771	36.011	ng	# 64
31) Naphthalene	8.175	128	54709	2.126	ng	98
51) 2,6-Dinitrotoluene	9.910	165	28452	9.073	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	28452	6.946	ng	# 25
63) Azobenzene	10.616	77	64345	4.608	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	12421	3.173	ng	# 1
71) Phenanthrene	11.416	178	42164	2.505	ng	99
75) Fluoranthene	12.604	202	113920	6.380	ng	99
78) Pyrene	12.833	202	110285	3.823	ng	98
81) Benzo(a)anthracene	14.021	228	85867	3.923	ng	95
83) Chrysene	14.021	228	85867	4.328	ng	97
88) Benzo(b)fluoranthene	15.074	252	109219	6.297	ng	# 81
89) Benzo(k)fluoranthene	15.074	252	109219	7.358	ng	# 81
90) Benzo(a)pyrene	15.439	252	54375	4.006	ng	# 82

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

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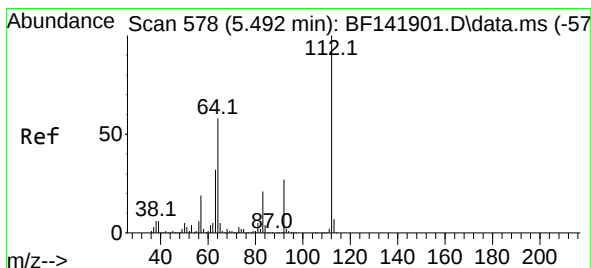
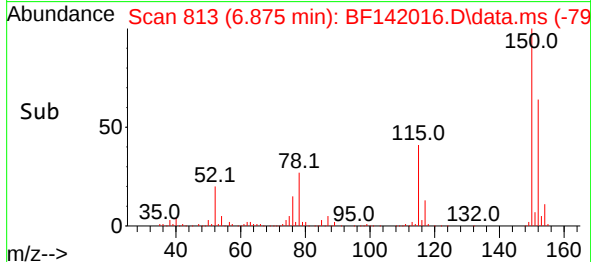
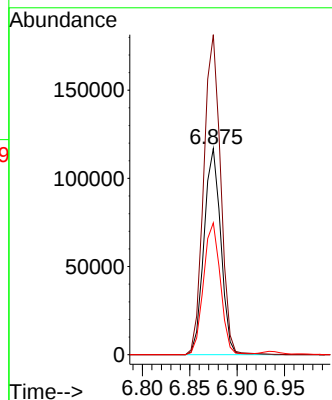
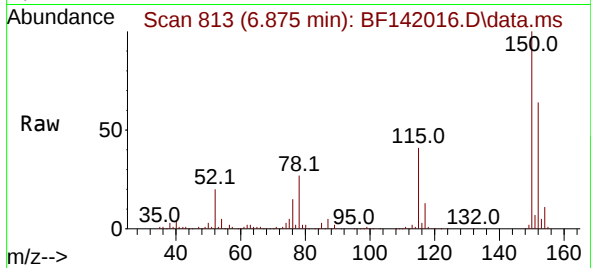




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

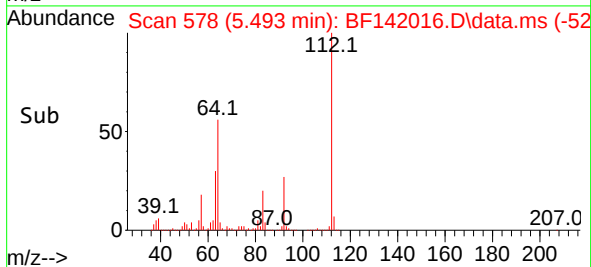
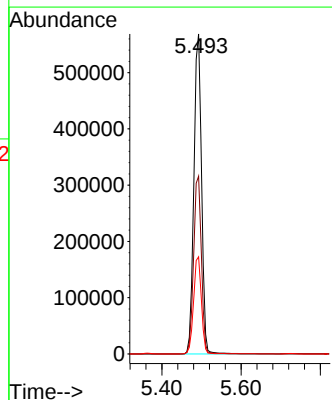
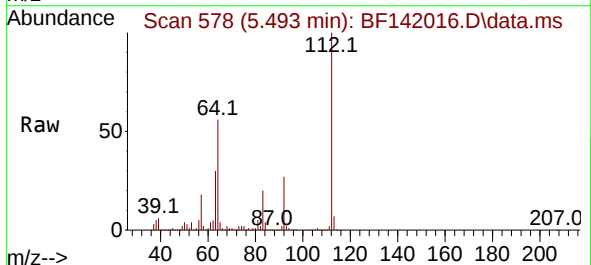
Instrument :
BNA_F
ClientSampleId :
RT4534

Tgt Ion:152 Resp: 143523
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.2
115 63.9 51.9 77.9



#5
2-Fluorophenol
Concen: 89.318 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Tgt Ion:112 Resp: 768097
Ion Ratio Lower Upper
112 100
64 55.6 46.5 69.7
63 30.4 25.4 38.2

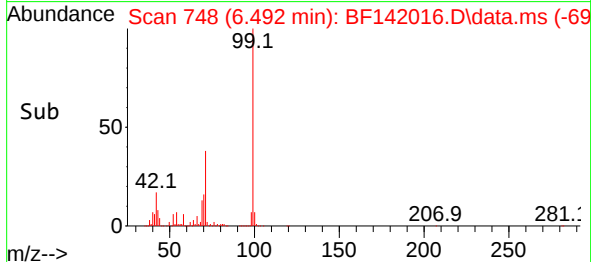
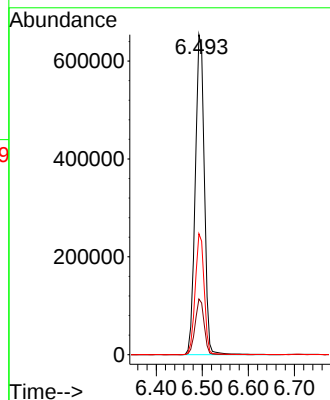
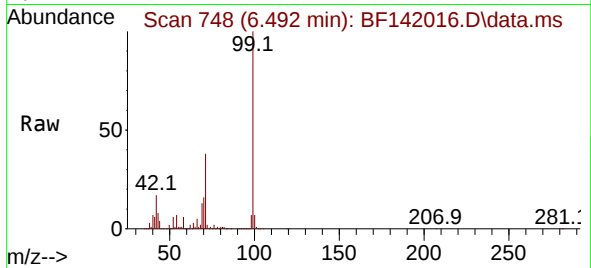




#7
Phenol-d6
Concen: 81.614 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

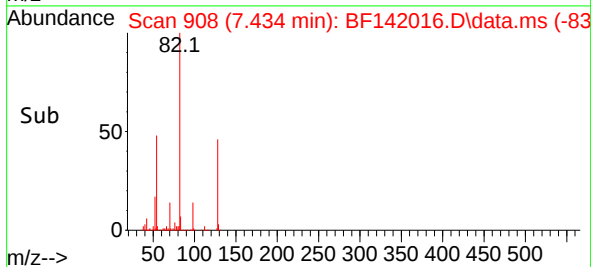
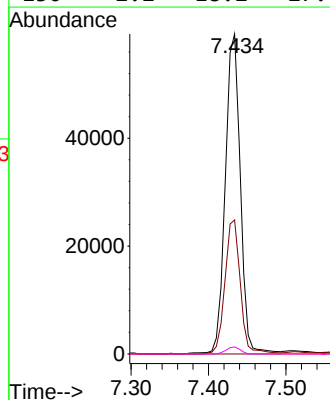
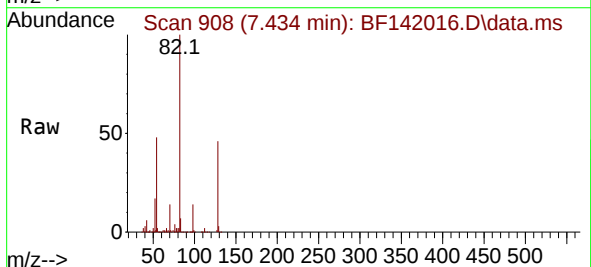
Instrument :
BNA_F
ClientSampleId :
RT4534

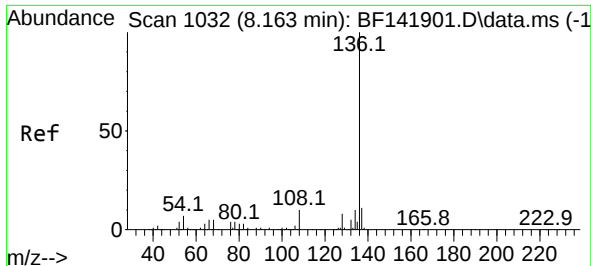
Tgt Ion: 99 Resp: 893600
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 37.8 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.408 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Tgt Ion: 70 Resp: 80259
Ion Ratio Lower Upper
70 100
42 41.9 41.4 62.0
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#



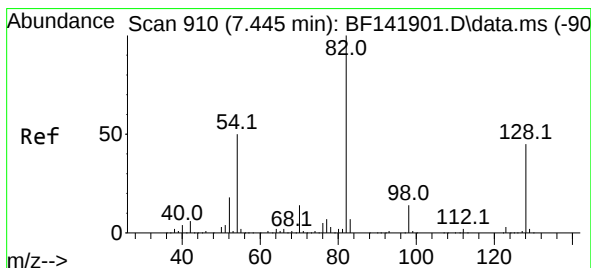
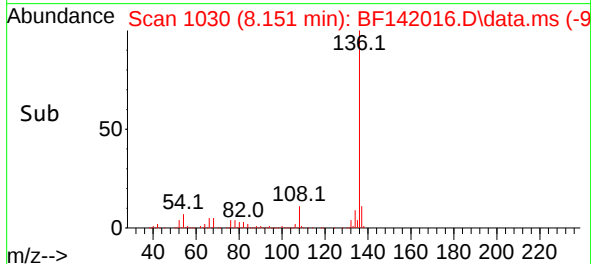
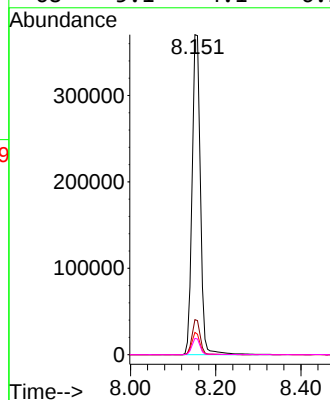
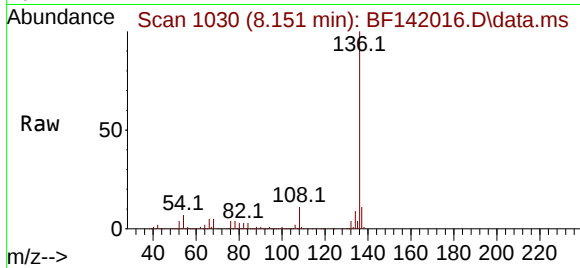


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Instrument :
BNA_F
ClientSampleId :
RT4534

Tgt Ion:136 Resp: 501069

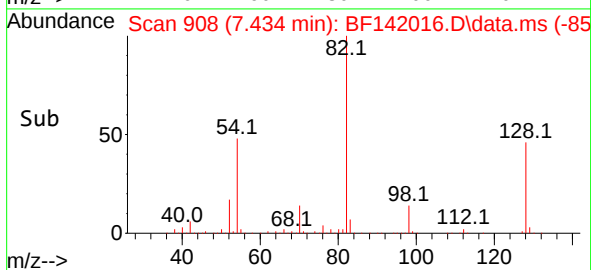
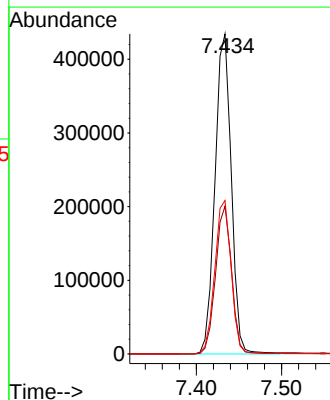
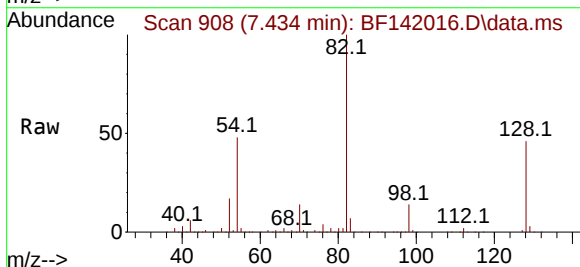
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.9	5.8	8.8
68	5.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 64.703 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Tgt Ion: 82 Resp: 576105

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.0	54.0
54	47.9	39.6	59.4

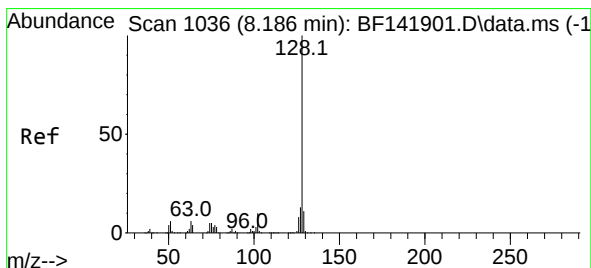
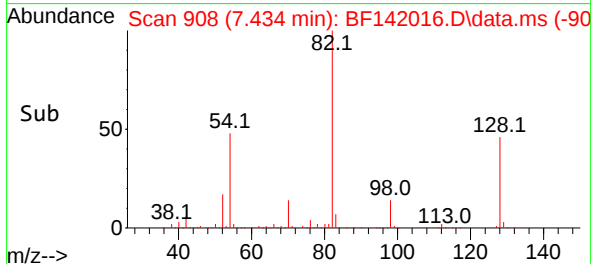
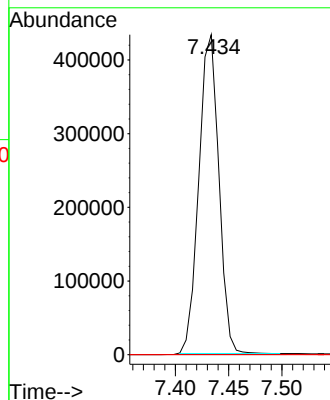
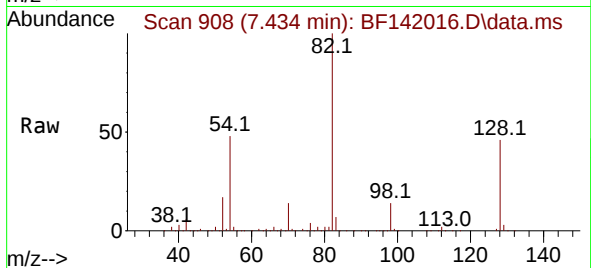




#25
Isophorone
Concen: 36.011 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

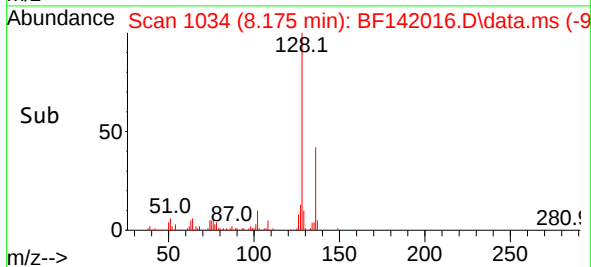
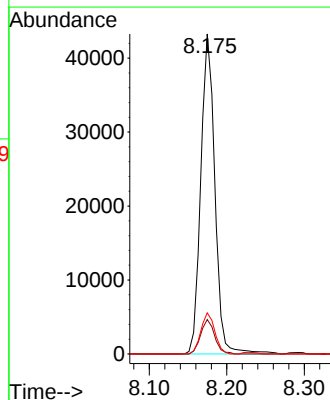
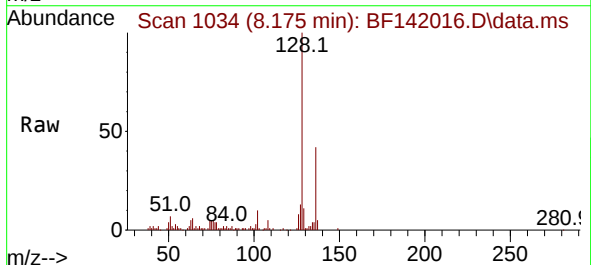
Instrument :
BNA_F
ClientSampleId :
RT4534

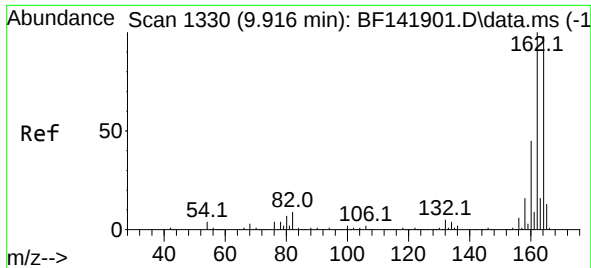
Tgt Ion: 82 Resp: 566771
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 2.126 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Tgt Ion: 128 Resp: 54709
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.8 10.8 16.2

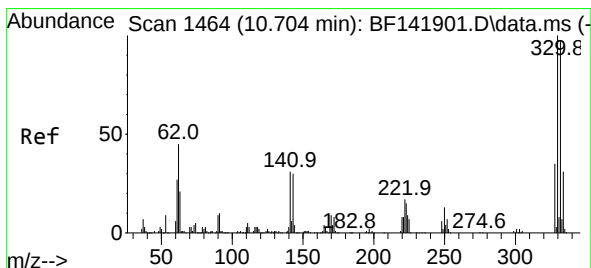
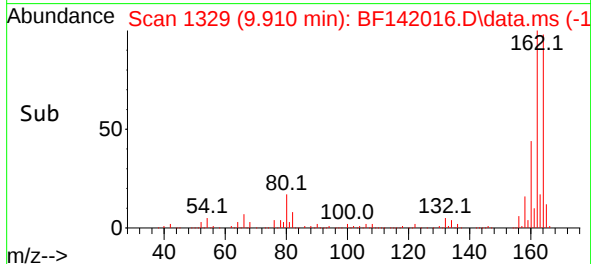
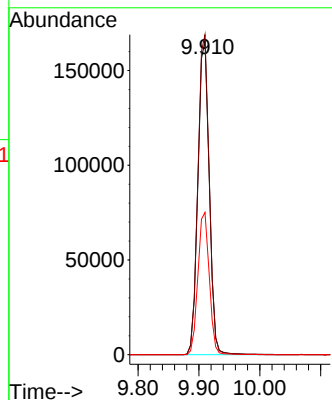
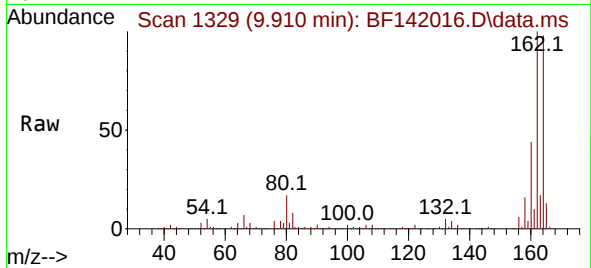




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

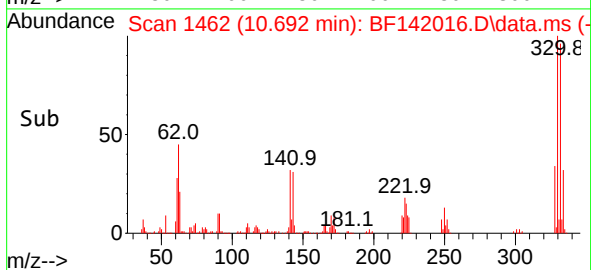
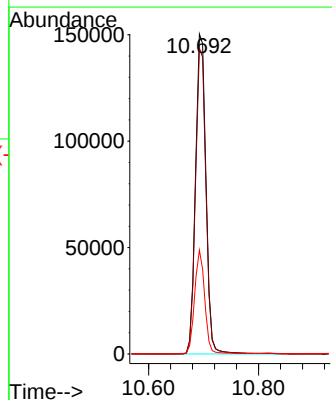
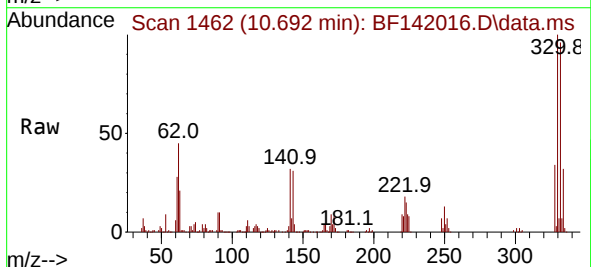
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ClientSampleId :
RT4534

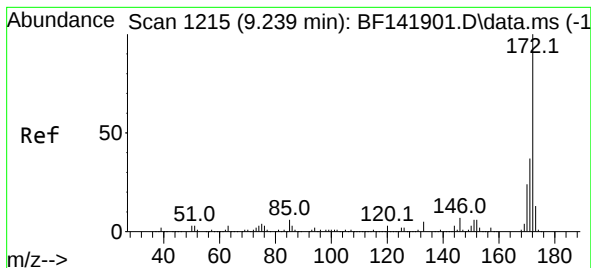
Tgt Ion:164 Resp: 215088
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.4 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 73.050 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Tgt Ion:330 Resp: 199330
Ion Ratio Lower Upper
330 100
332 95.1 77.6 116.4
141 31.5 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 64.941 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142016.D

Acq: 20 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

RT4534

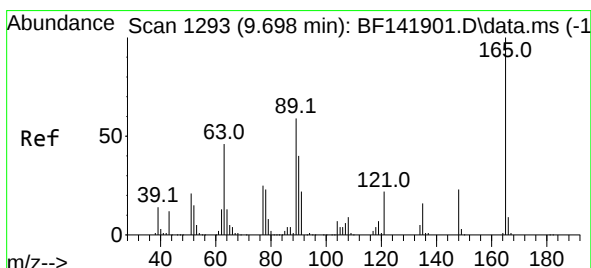
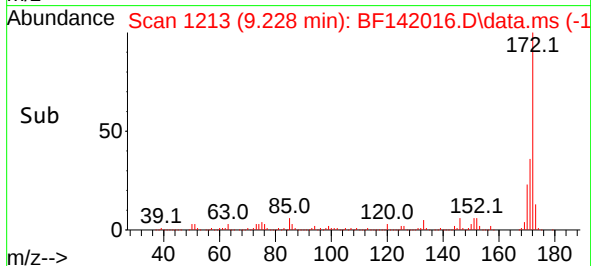
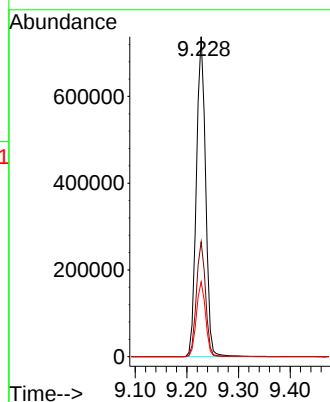
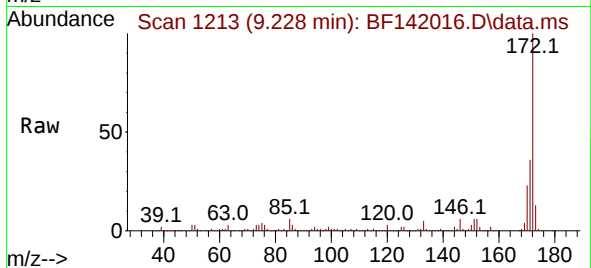
Tgt Ion:172 Resp: 918466

Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.4 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 9.073 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF142016.D

Acq: 20 Mar 2025 17:36

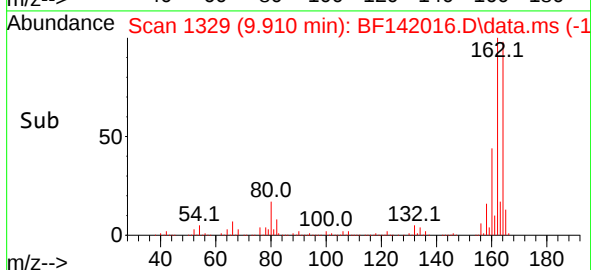
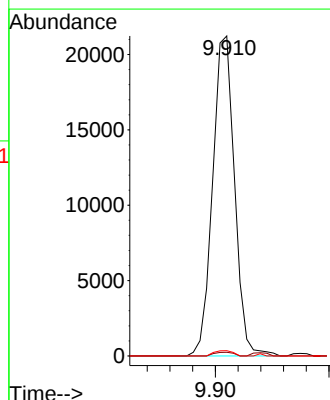
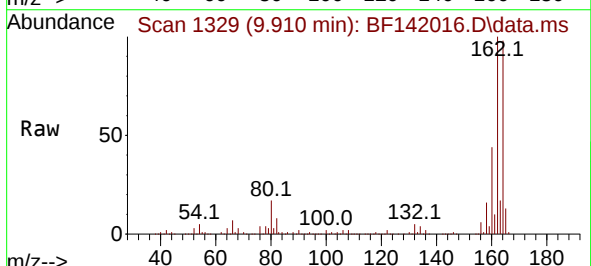
Tgt Ion:165 Resp: 28452

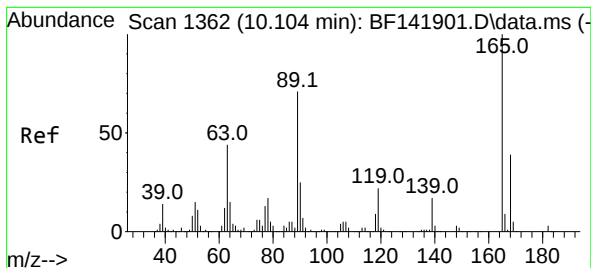
Ion Ratio Lower Upper

165 100

63 1.2 47.0 70.4#

89 1.6 47.4 71.2#

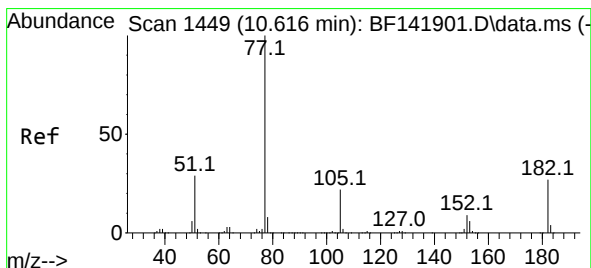
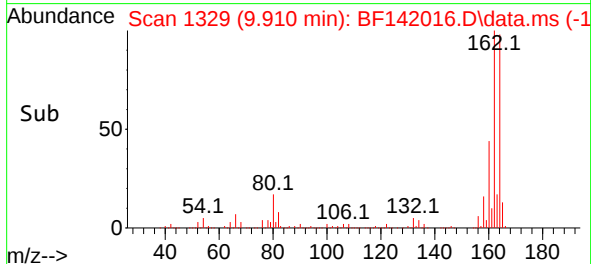
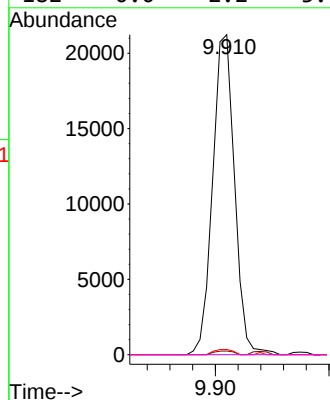
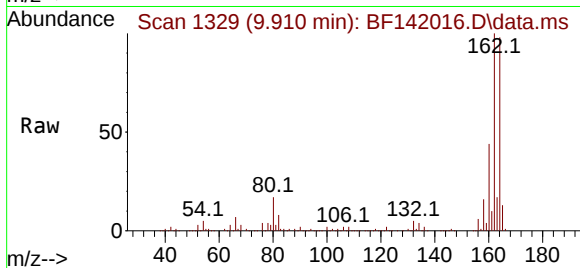




#57
2,4-Dinitrotoluene
Concen: 6.946 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

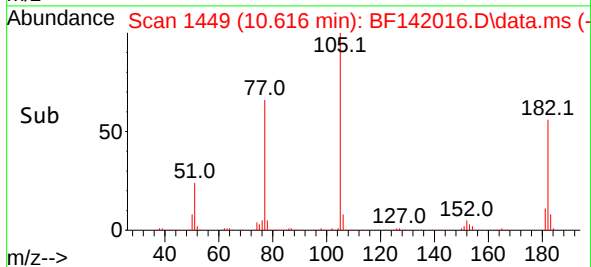
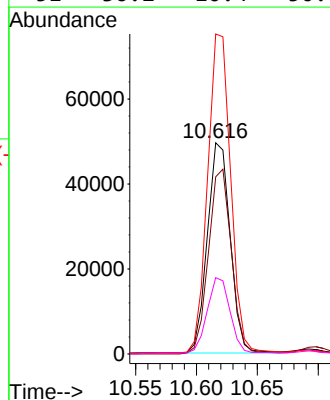
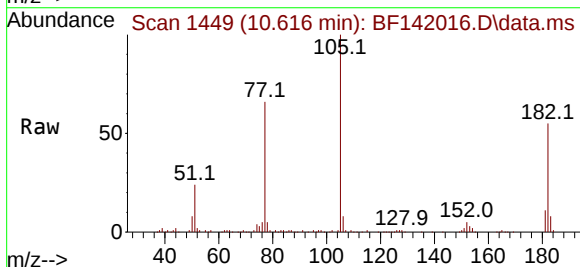
Instrument :
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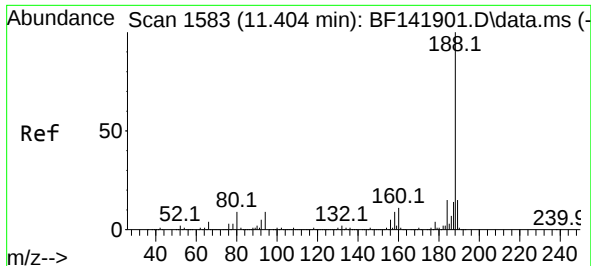
Tgt Ion:165 Resp: 28452
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.6 56.6 84.8#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 4.608 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Tgt Ion: 77 Resp: 64345
Ion Ratio Lower Upper
77 100
182 83.9 6.6 46.6#
105 151.5 1.3 41.3#
51 36.2 10.4 50.4

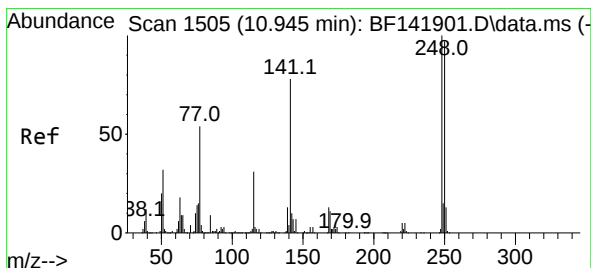
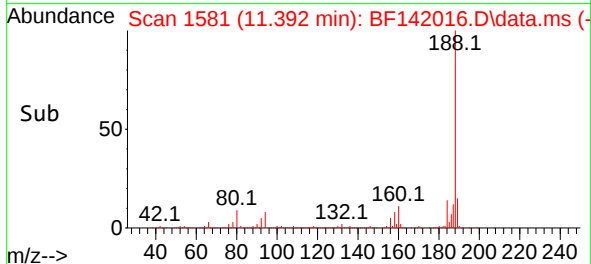
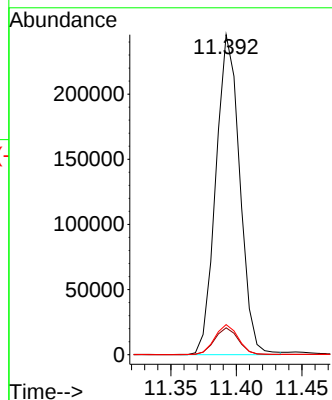
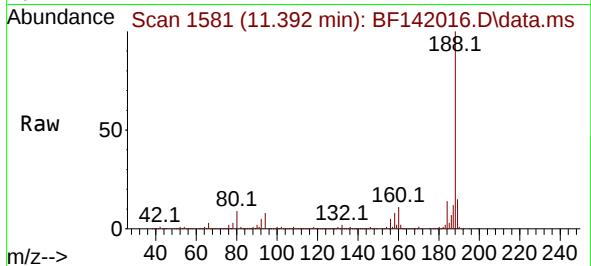




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

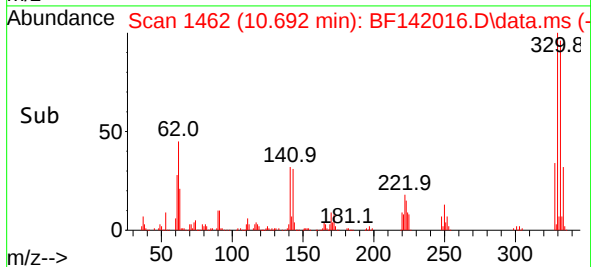
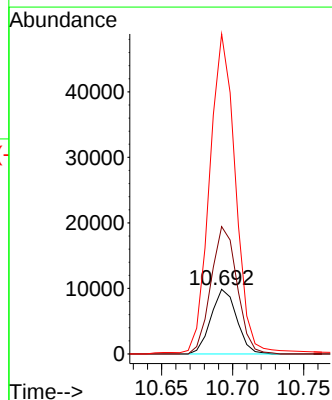
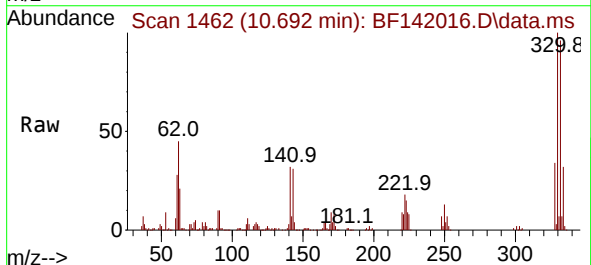
Instrument :
BNA_F
ClientSampleId :
RT4534

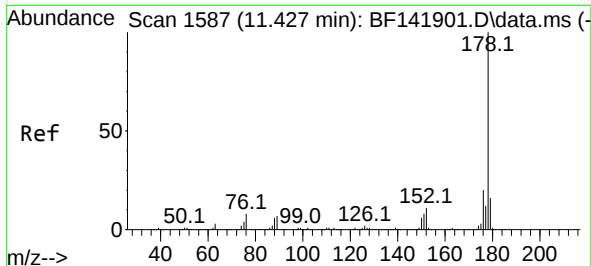
Tgt Ion:188 Resp: 311662
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.4 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.173 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Tgt Ion:248 Resp: 12421
Ion Ratio Lower Upper
248 100
250 197.0 77.8 116.8#
141 495.1 62.6 93.8#

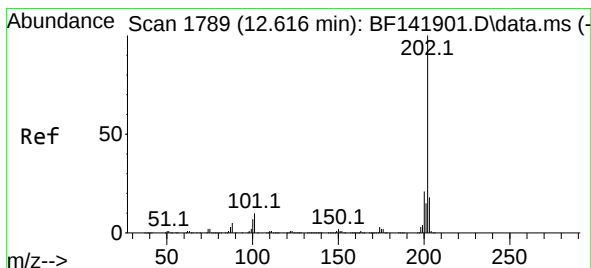
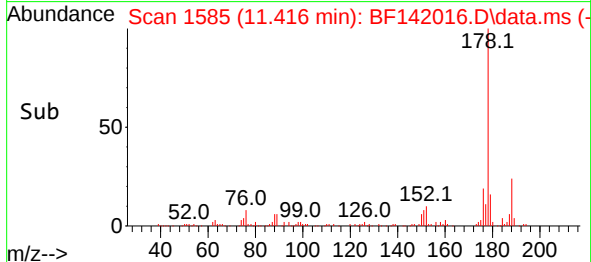
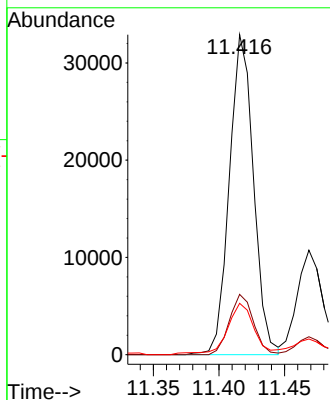
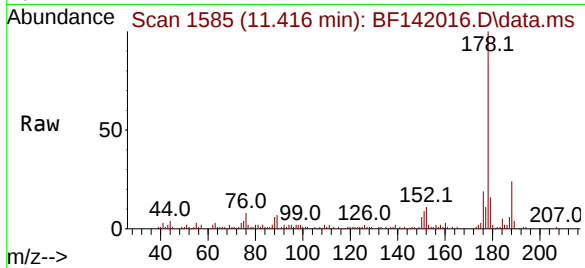




#71
Phenanthrene
Concen: 2.505 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

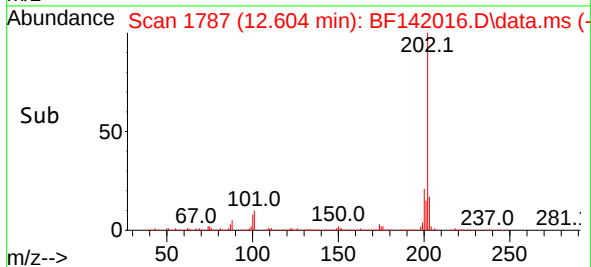
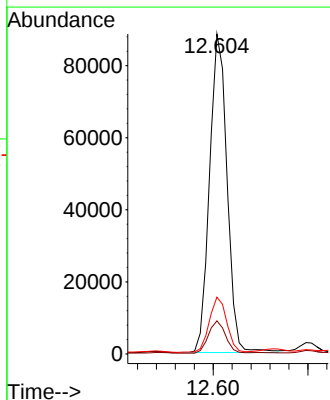
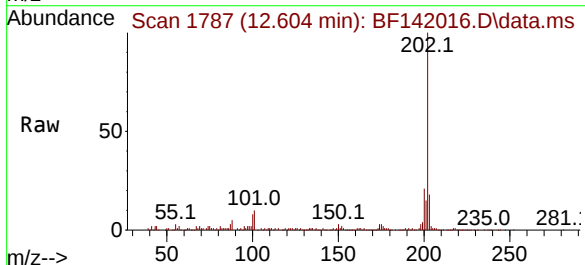
Instrument :
BNA_F
ClientSampleId :
RT4534

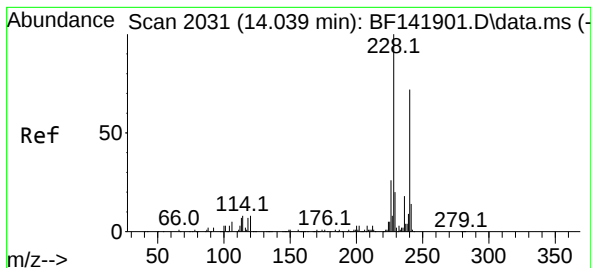
Tgt Ion:178 Resp: 42164
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.1 12.6 19.0



#75
Fluoranthene
Concen: 6.380 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF142016.D
Acq: 20 Mar 2025 17:36

Tgt Ion:202 Resp: 113920
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.7
203 17.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142016.D

Acq: 20 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

RT4534

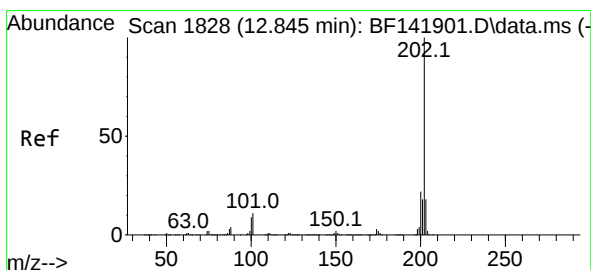
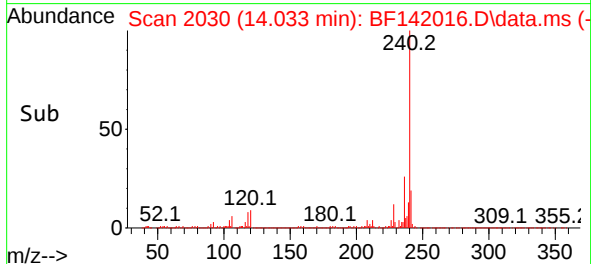
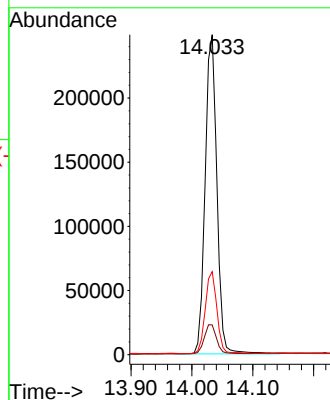
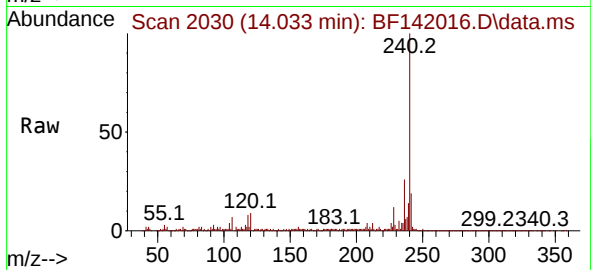
Tgt Ion:240 Resp: 333529

Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

236 25.9 20.5 30.7



#78

Pyrene

Concen: 3.823 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142016.D

Acq: 20 Mar 2025 17:36

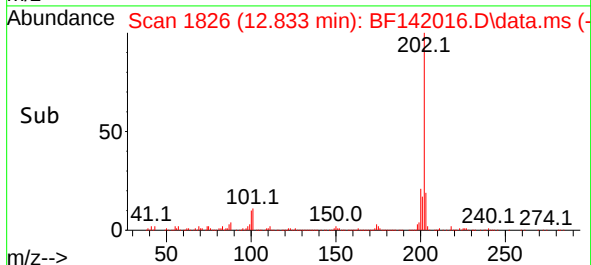
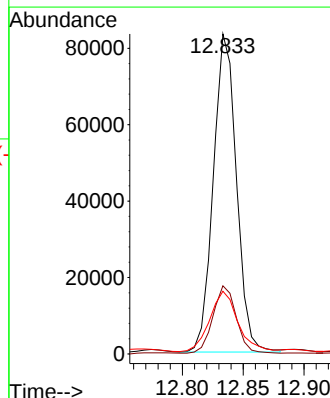
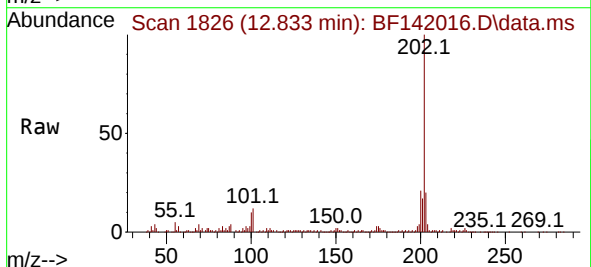
Tgt Ion:202 Resp: 110285

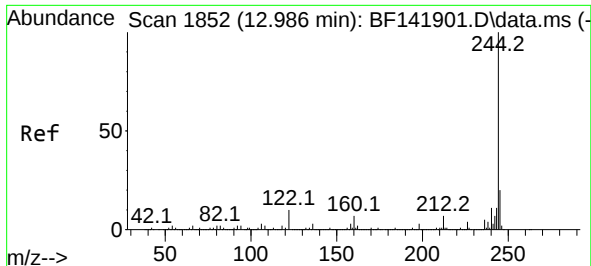
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 19.6 14.4 21.6

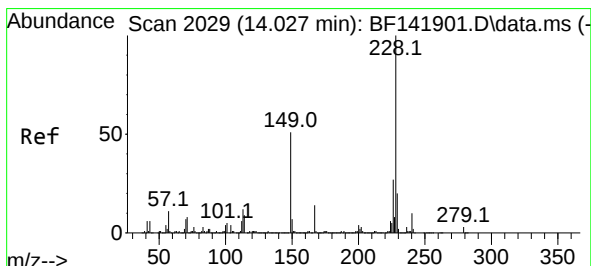
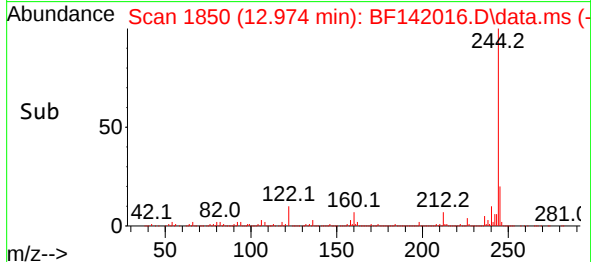
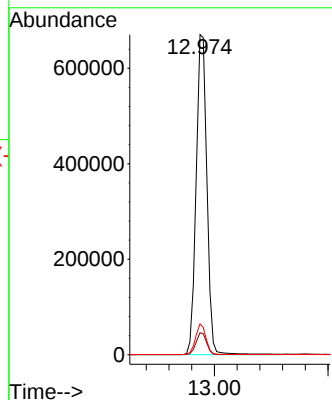
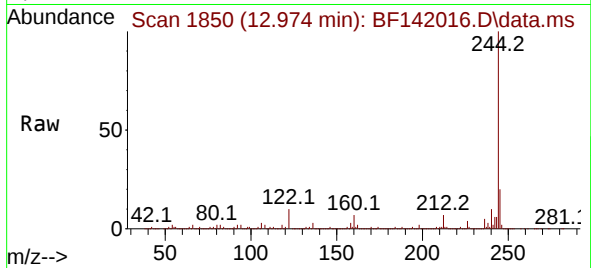




#79
 Terphenyl-d14
 Concen: 39.235 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF142016.D
 Acq: 20 Mar 2025 17:36

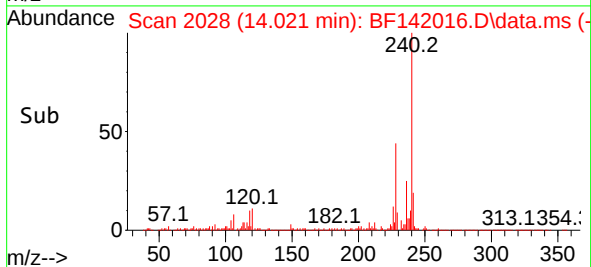
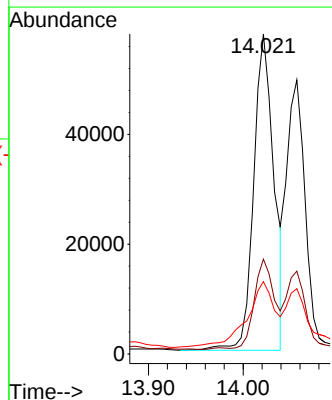
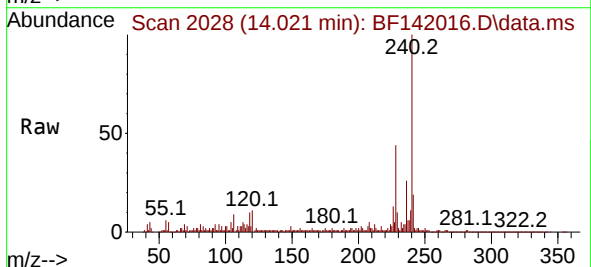
Instrument :
 BNA_F
 ClientSampleId :
 RT4534

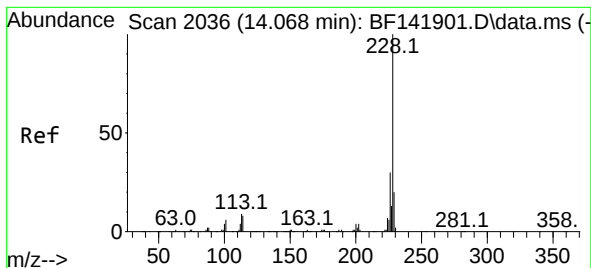
Tgt Ion:244 Resp: 885113
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.6 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 3.923 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF142016.D
 Acq: 20 Mar 2025 17:36

Tgt Ion:228 Resp: 85867
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.8 32.8
 229 22.6 16.0 24.0





#83

Chrysene

Concen: 4.328 ng

RT: 14.021 min Scan# 2036

Delta R.T. -0.047 min

Lab File: BF142016.D

Acq: 20 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

RT4534

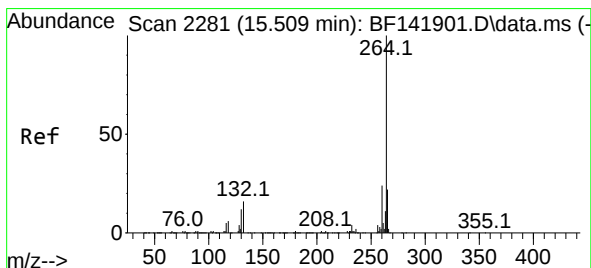
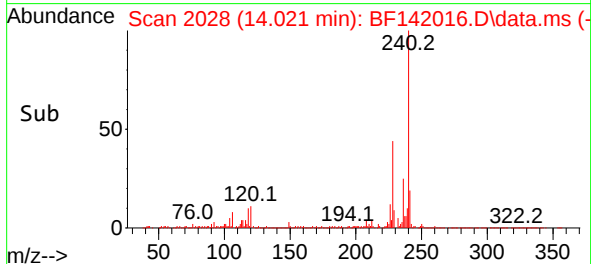
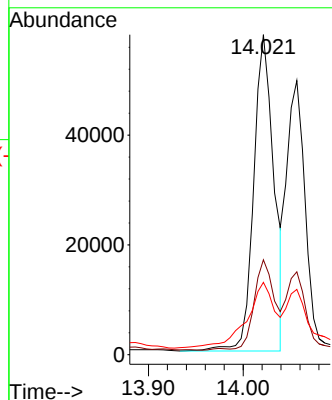
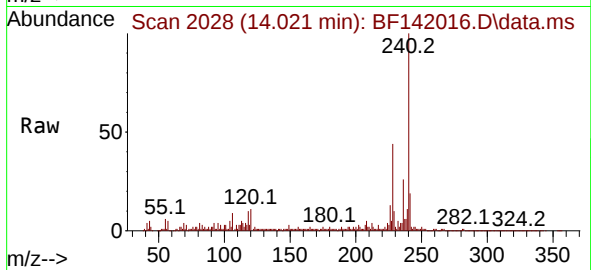
Tgt Ion:228 Resp: 85867

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

229 22.6 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142016.D

Acq: 20 Mar 2025 17:36

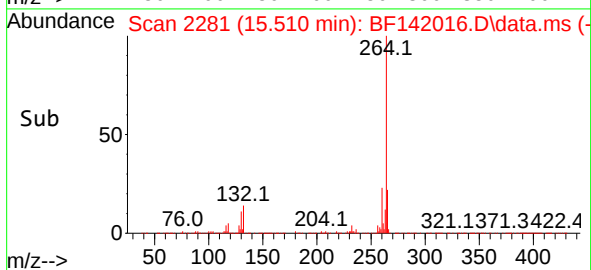
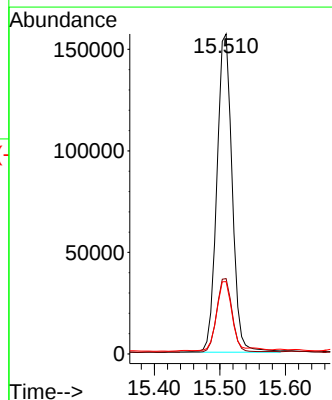
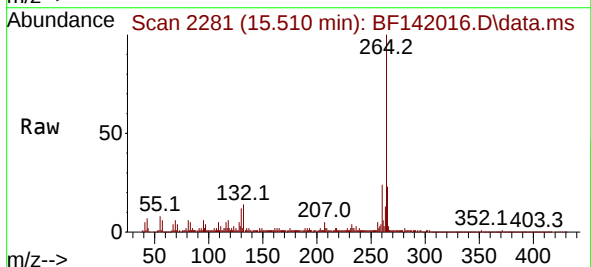
Tgt Ion:264 Resp: 253079

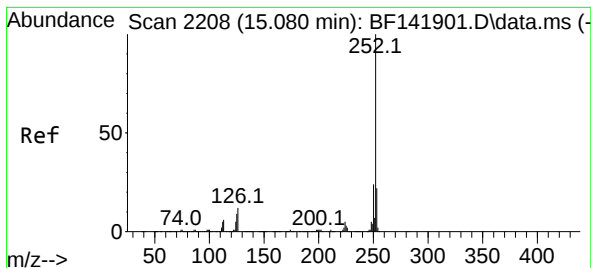
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 22.6 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 6.297 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142016.D

Acq: 20 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

RT4534

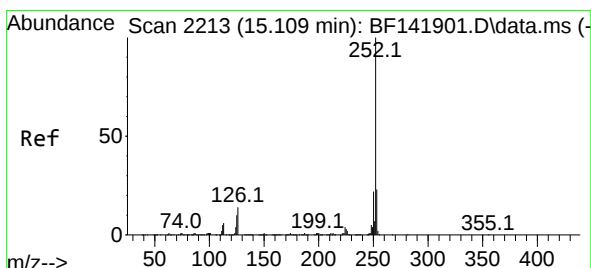
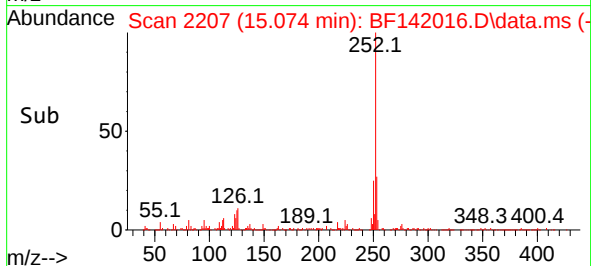
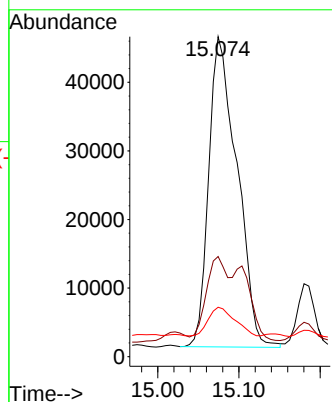
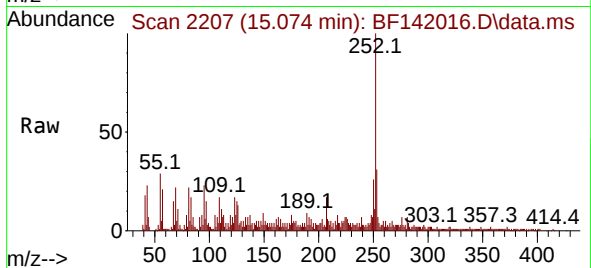
Tgt Ion:252 Resp: 109219

Ion Ratio Lower Upper

252 100

253 31.3 17.5 26.3#

125 15.5 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 7.358 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF142016.D

Acq: 20 Mar 2025 17:36

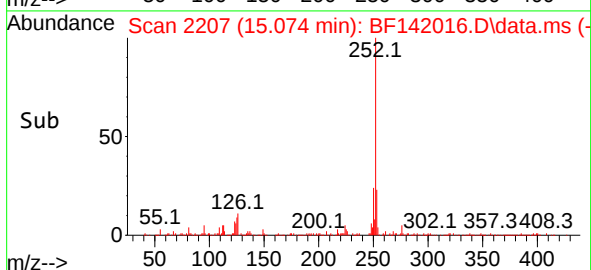
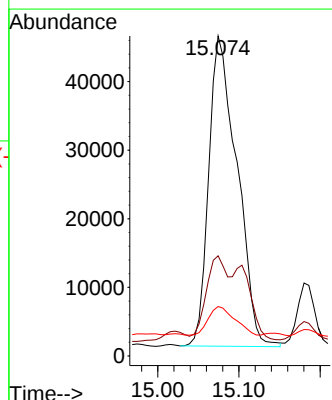
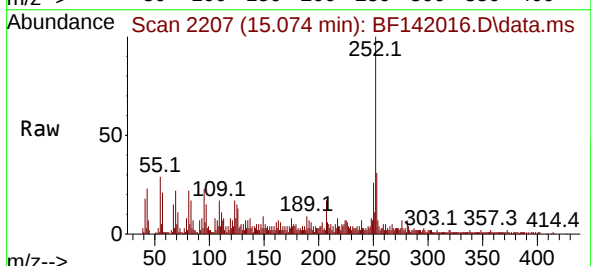
Tgt Ion:252 Resp: 109219

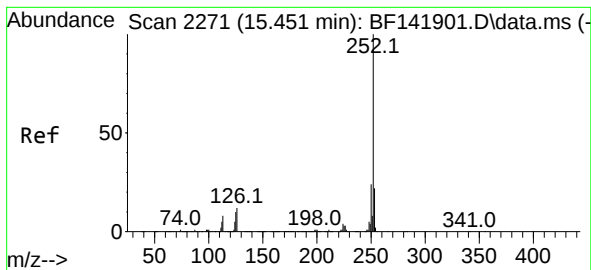
Ion Ratio Lower Upper

252 100

253 31.3 17.7 26.5#

125 15.5 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 4.006 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142016.D

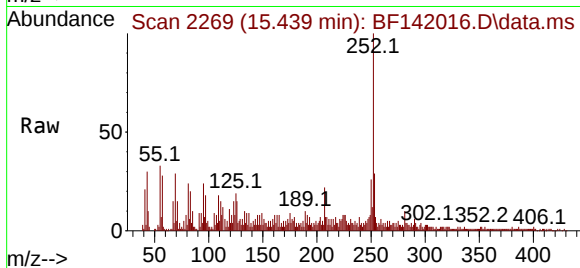
Acq: 20 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

RT4534



Tgt Ion:252 Resp: 54375

Ion Ratio Lower Upper

252 100

253 28.5 17.4 26.0#

125 18.9 7.8 11.8#

