

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136735.D
 Acq On : 26 Dec 2023 23:38
 Operator : CG\JU
 Sample : 05598-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 347

Quant Time: Dec 27 04:00:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

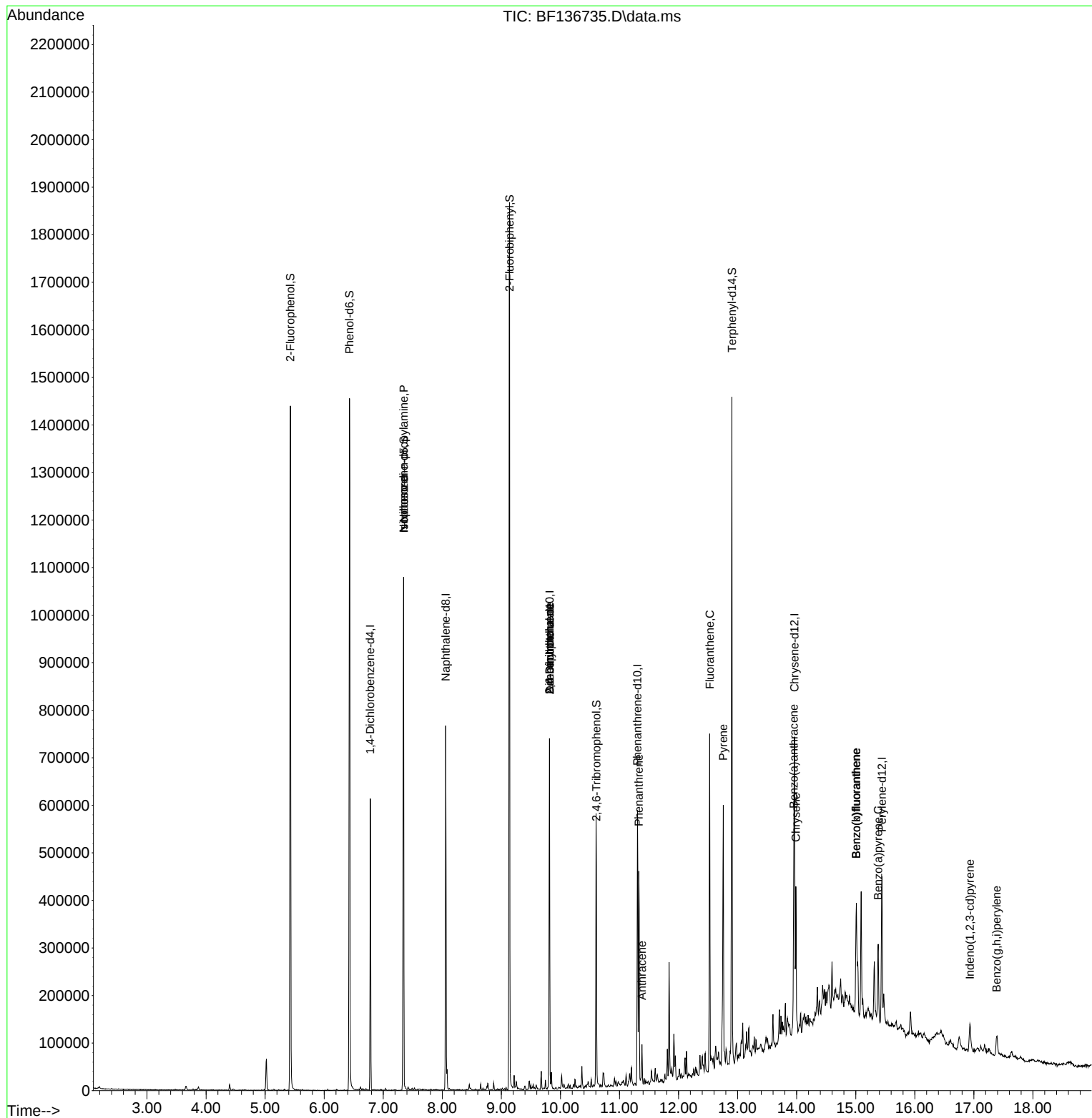
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	84935	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	302242	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	136979	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	209068	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	166043	20.000	ng	0.00
86) Perylene-d12	15.445	264	146150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	367344	67.482	ng	0.00
7) Phenol-d6	6.428	99	526403	74.630	ng	-0.01
23) Nitrobenzene-d5	7.345	82	325342	55.082	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	69531	43.100	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	600687	58.981	ng	-0.01
79) Terphenyl-d14	12.904	244	459842	38.702	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	41806	9.777	ng	# 75
25) Isophorone	7.345	82	325337	30.271	ng	# 65
50) Dimethylphthalate	9.816	163	28181	2.817	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	17484	7.700	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	17484	5.931	ng	# 21
71) Phenanthrene	11.327	178	161622	15.066	ng	99
72) Anthracene	11.380	178	27731	2.553	ng	99
75) Fluoranthene	12.527	202	263305	22.947	ng	99
78) Pyrene	12.757	202	217945	13.371	ng	98
81) Benzo(a)anthracene	13.951	228	119162	10.335	ng	93
83) Chrysene	13.986	228	116377	10.322	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	39866	3.778	ng	95
88) Benzo(b)fluoranthene	15.010	252	174423	17.868	ng	# 96
89) Benzo(k)fluoranthene	15.010	252	174423	18.910	ng	# 96
90) Benzo(a)pyrene	15.380	252	76059	9.231	ng	98
92) Benzo(g,h,i)perylene	17.386	276	36784	4.149	ng	99

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

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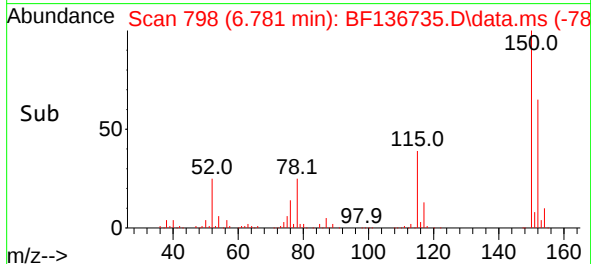
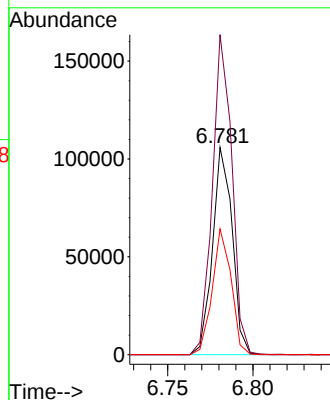
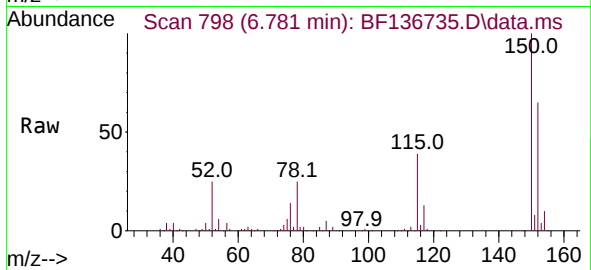




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

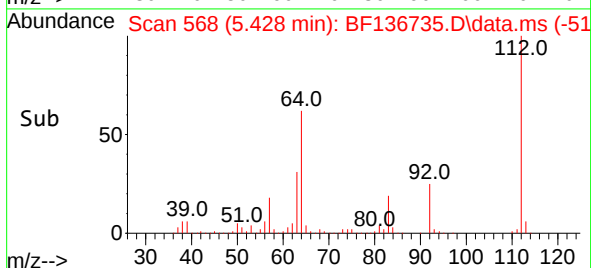
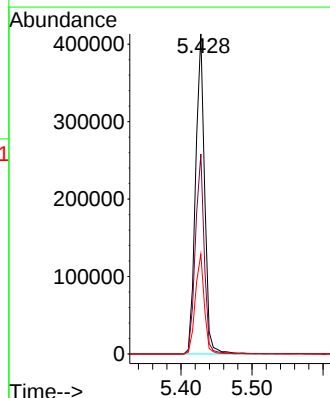
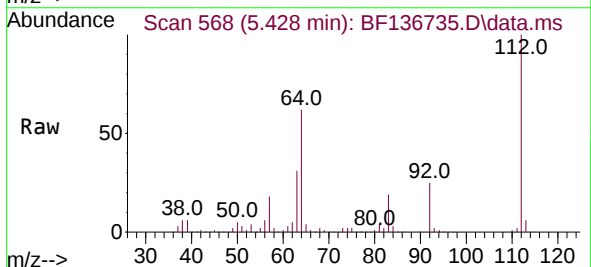
Instrument :
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347

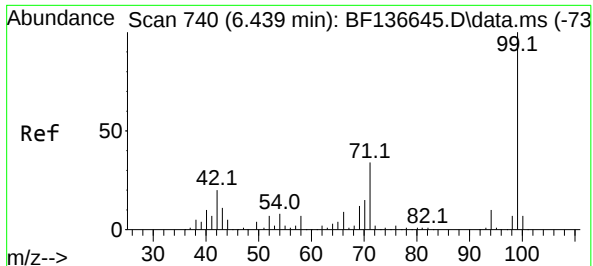
Tgt Ion:152 Resp: 84935
Ion Ratio Lower Upper
152 100
150 154.4 127.0 190.6
115 60.7 49.0 73.4



#5
2-Fluorophenol
Concen: 67.482 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Tgt Ion:112 Resp: 367344
Ion Ratio Lower Upper
112 100
64 62.5 51.1 76.7
63 31.2 26.1 39.1

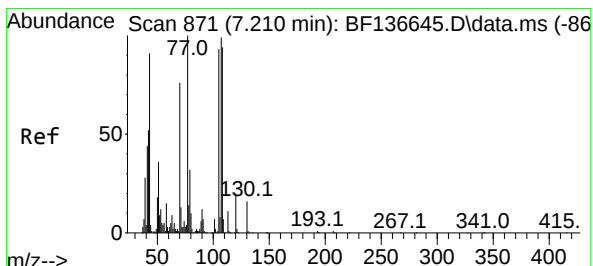
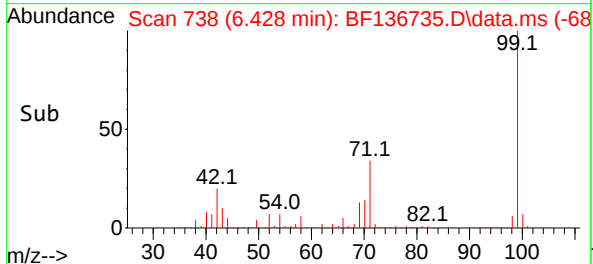
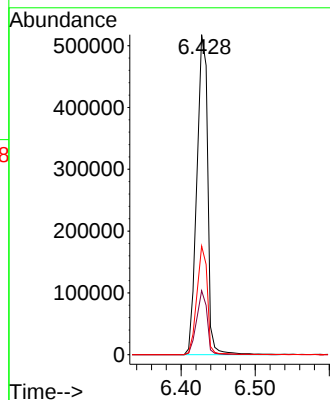
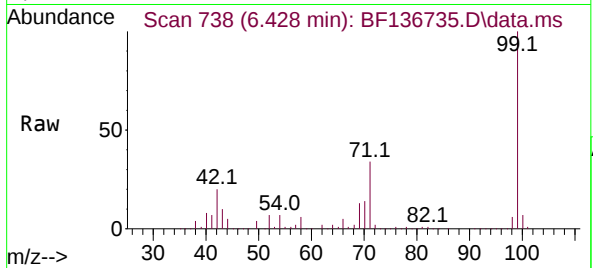




#7
Phenol-d6
Concen: 74.630 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

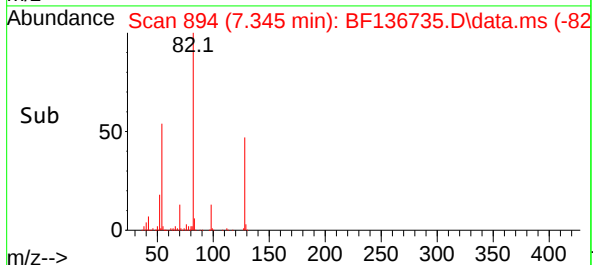
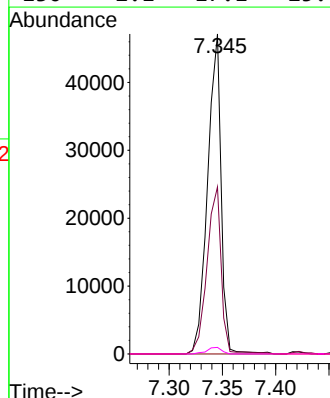
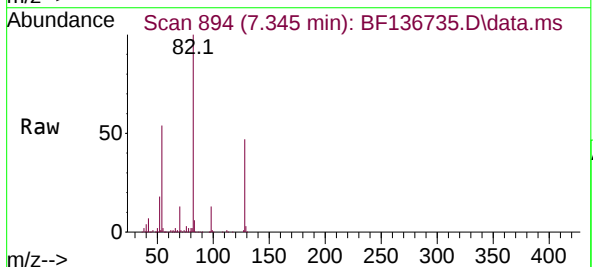
Instrument :
BNA_F
ClientSampleId :
347

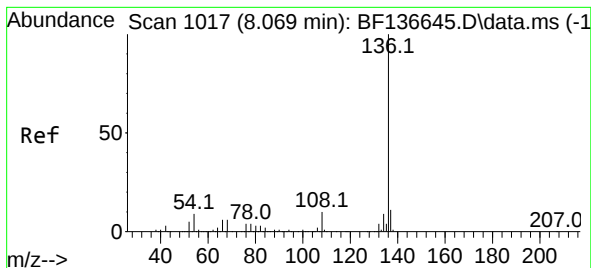
Tgt Ion: 99 Resp: 526403
Ion Ratio Lower Upper
99 100
42 20.0 16.1 24.1
71 33.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.777 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Tgt Ion: 70 Resp: 41806
Ion Ratio Lower Upper
70 100
42 52.2 54.2 81.4#
101 0.0 7.6 11.4#
130 2.1 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347

Tgt Ion:136 Resp: 302242

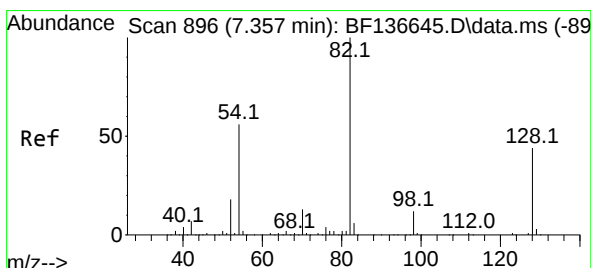
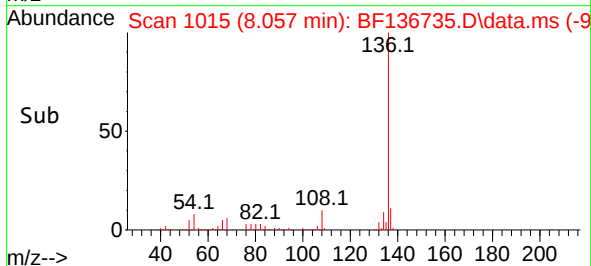
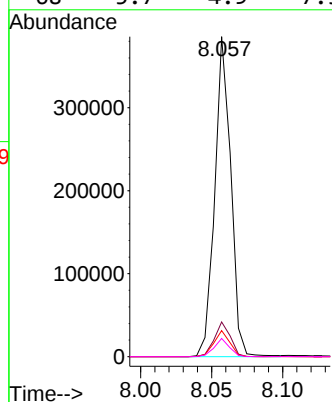
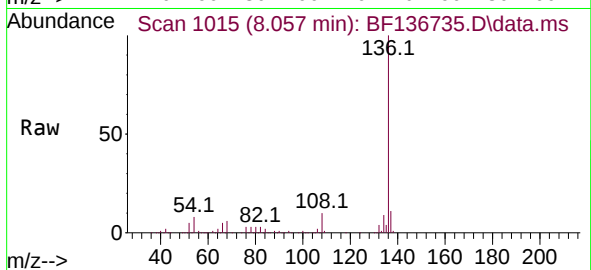
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 8.2 7.2 10.8

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 55.082 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

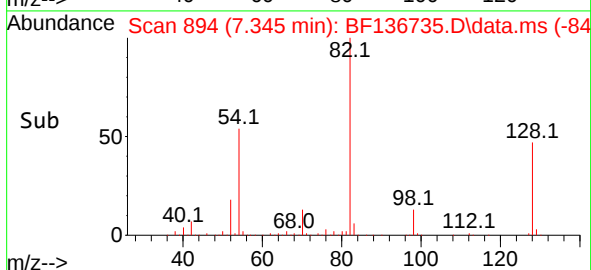
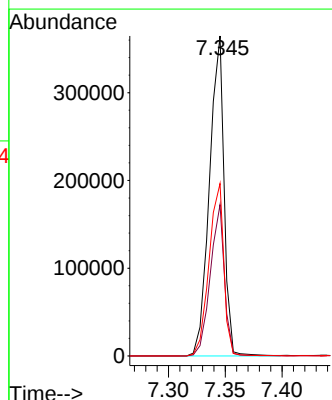
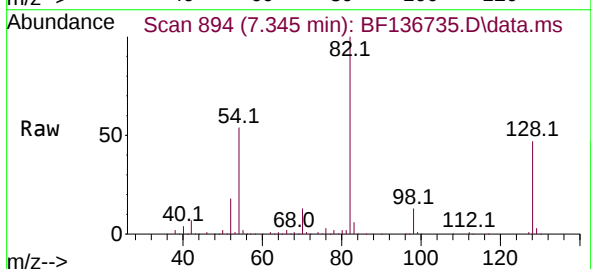
Tgt Ion: 82 Resp: 325342

Ion Ratio Lower Upper

82 100

128 47.3 35.3 52.9

54 53.9 44.5 66.7

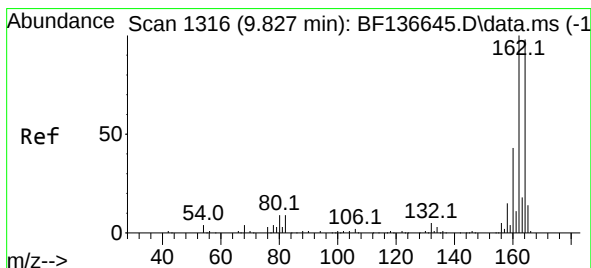
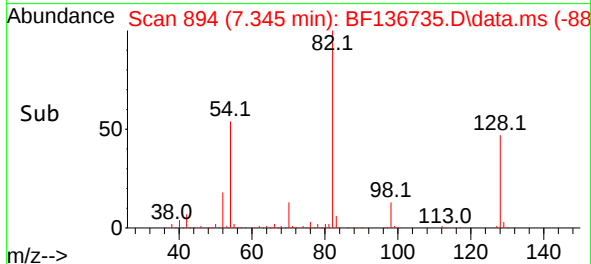
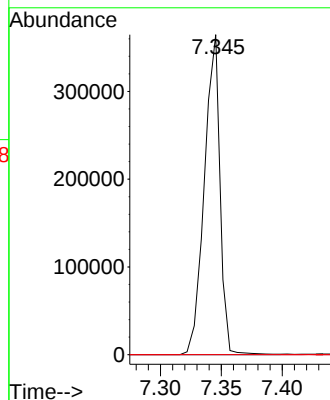
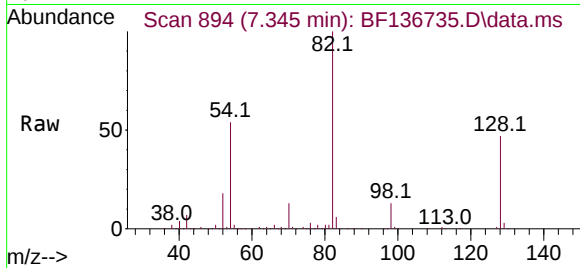




#25
Isophorone
Concen: 30.271 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

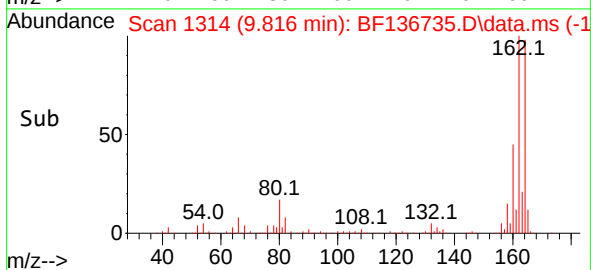
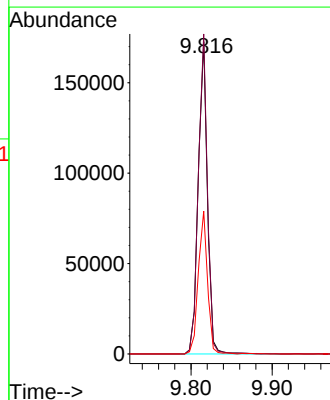
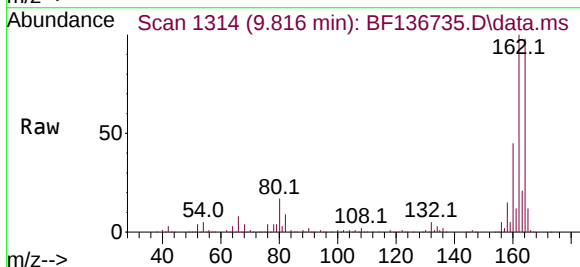
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Tgt Ion: 82 Resp: 325337
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Tgt Ion:164 Resp: 136979
Ion Ratio Lower Upper
164 100
162 102.5 81.6 122.4
160 45.8 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 43.100 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347

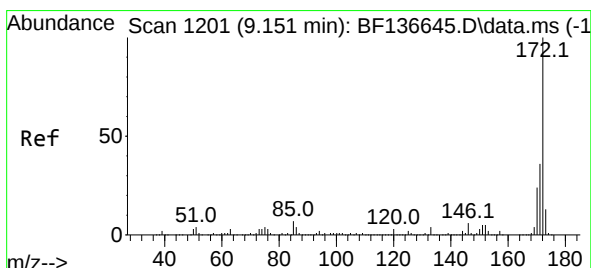
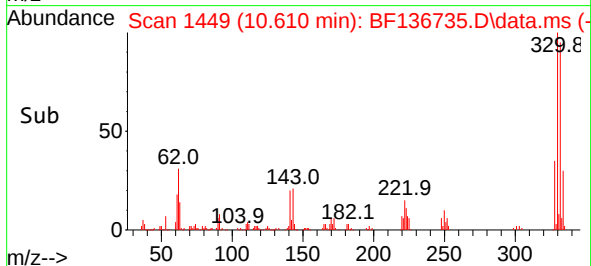
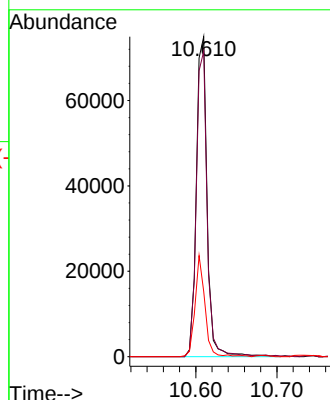
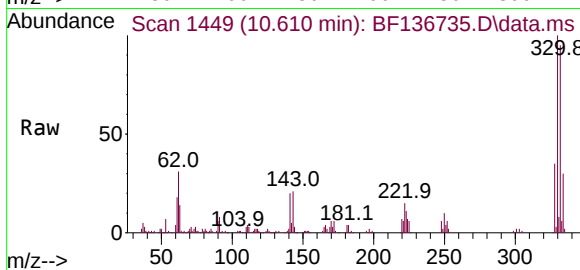
Tgt Ion:330 Resp: 69531

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

141 29.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 58.981 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

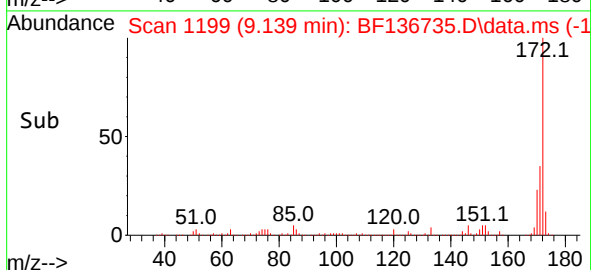
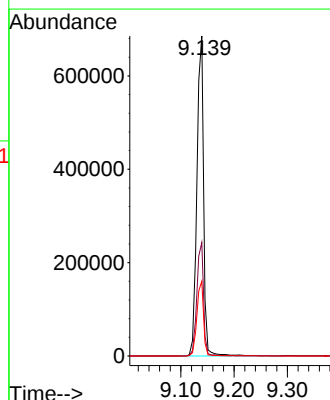
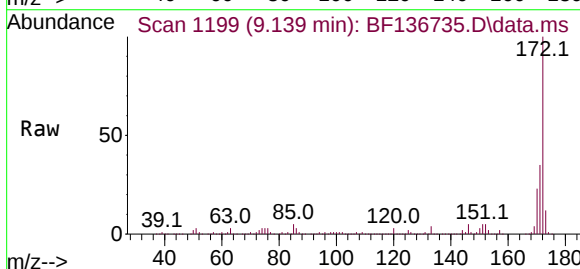
Tgt Ion:172 Resp: 600687

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.6

170 23.4 19.0 28.4

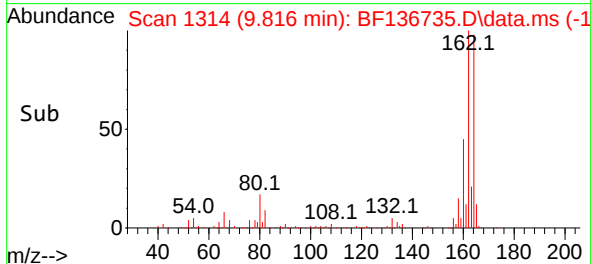
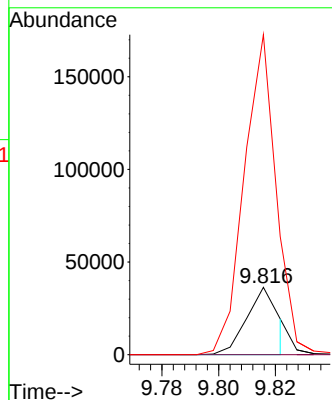
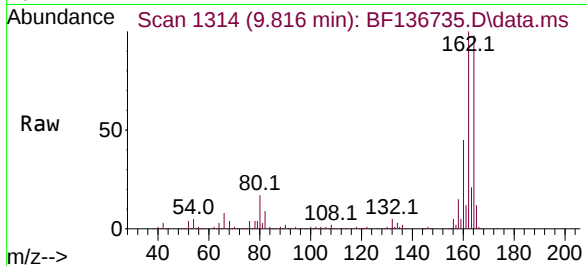




#50
Dimethylphthalate
Concen: 2.817 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

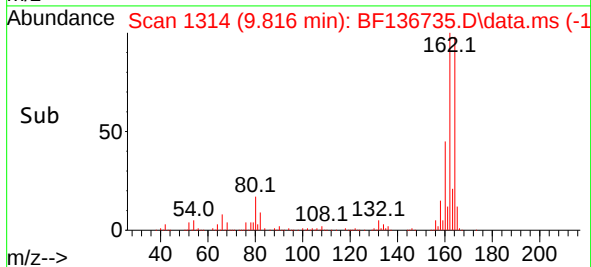
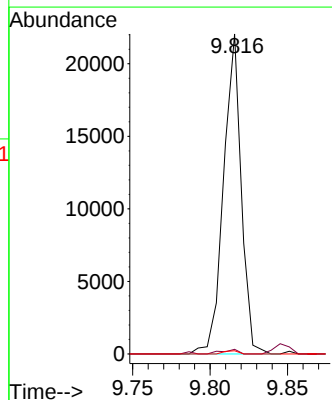
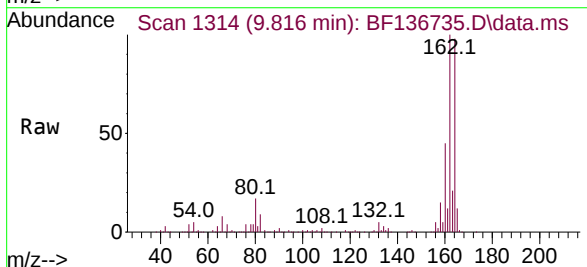
Instrument :
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Tgt Ion:163 Resp: 28181
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 475.2 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.700 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Tgt Ion:165 Resp: 17484
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.0 38.8 58.2#

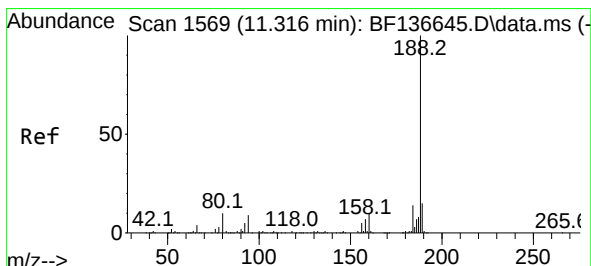
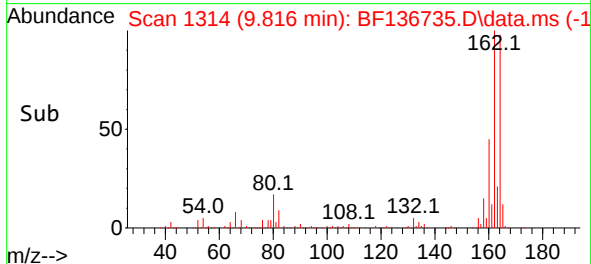
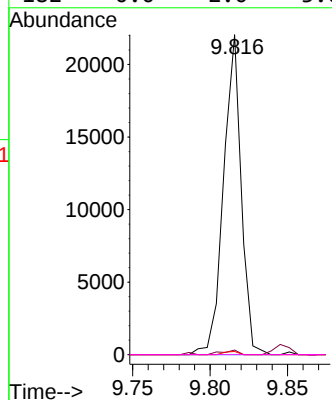
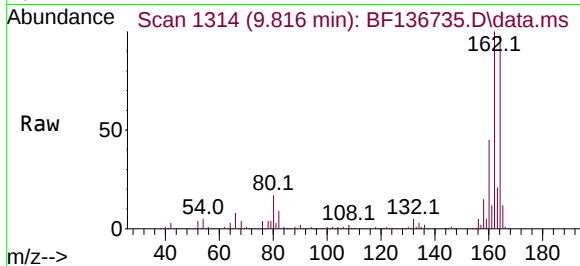




#57
2,4-Dinitrotoluene
Concen: 5.931 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

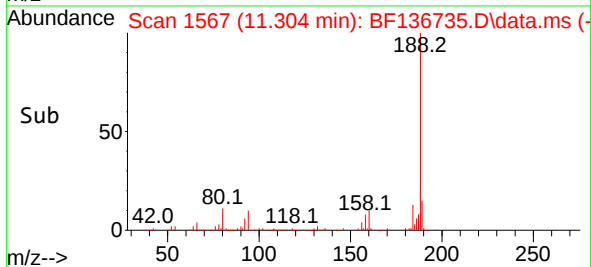
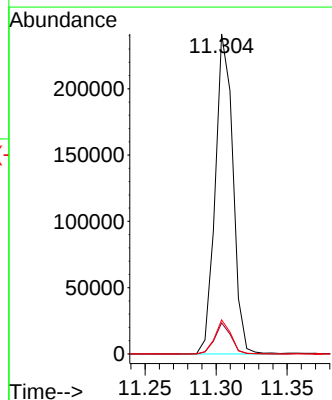
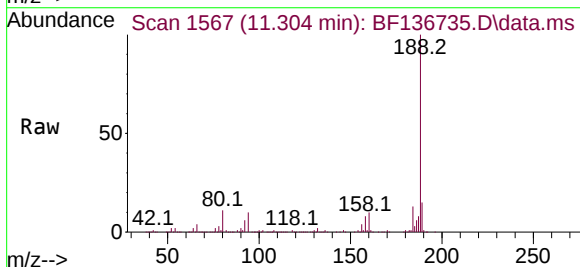
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ClientSampleId :
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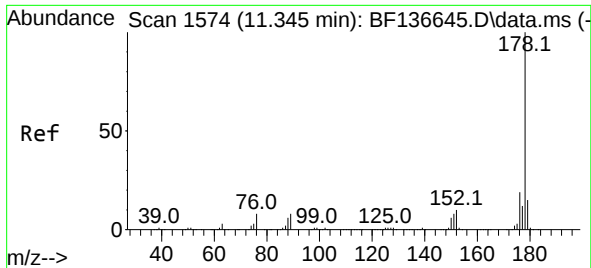
Tgt Ion:	165	Resp:	17484
Ion Ratio	Lower	Upper	
165	100		
63	1.4	41.0	61.6#
89	1.0	59.9	89.9#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Tgt Ion:	188	Resp:	209068
Ion Ratio	Lower	Upper	
188	100		
94	9.7	7.5	11.3
80	10.6	8.1	12.1

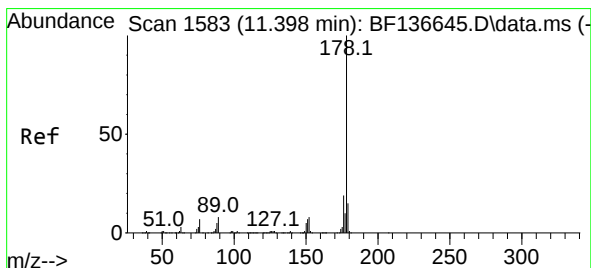
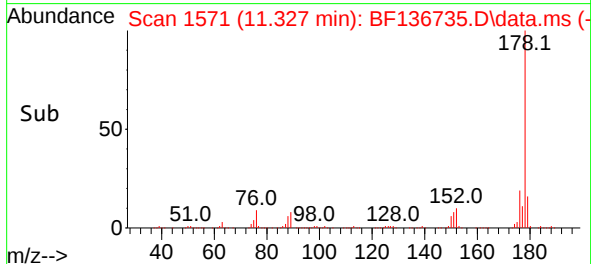
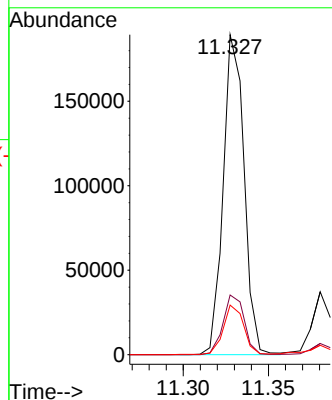
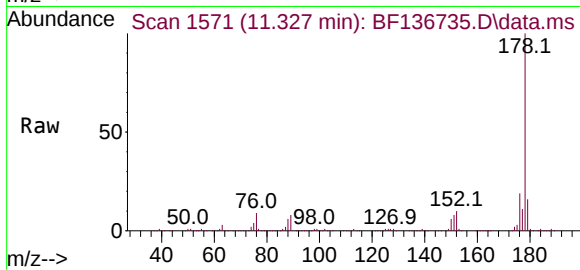




#71
Phenanthrene
Concen: 15.066 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

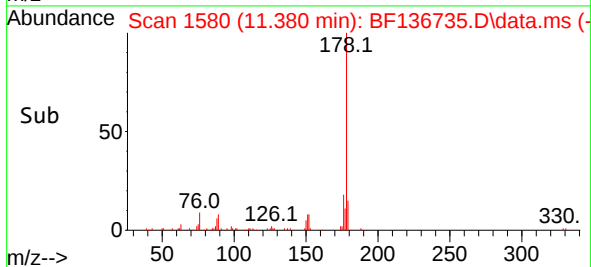
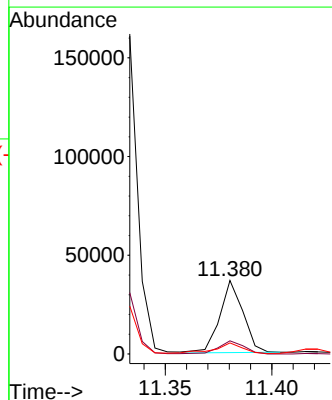
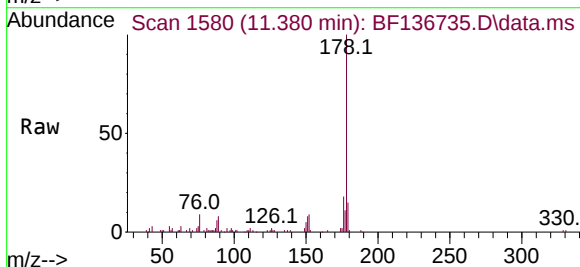
Instrument :
BNA_F
ClientSampleId :
347

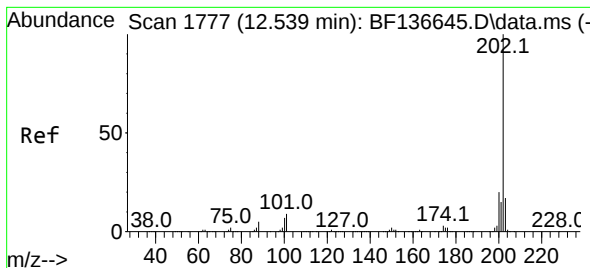
Tgt Ion:178 Resp: 161622
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.5 11.9 17.9



#72
Anthracene
Concen: 2.553 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Tgt Ion:178 Resp: 27731
Ion Ratio Lower Upper
178 100
176 17.8 14.9 22.3
179 15.1 11.8 17.6





#75

Fluoranthene

Concen: 22.947 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347

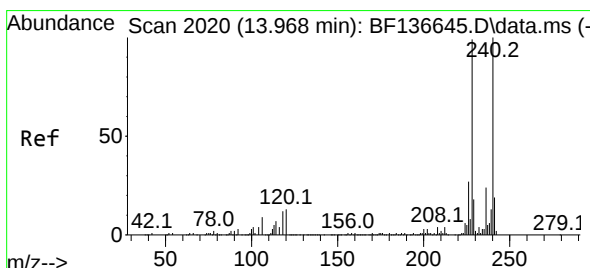
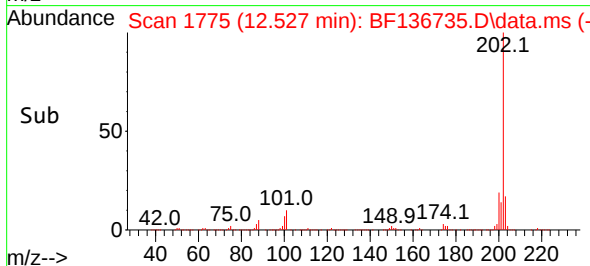
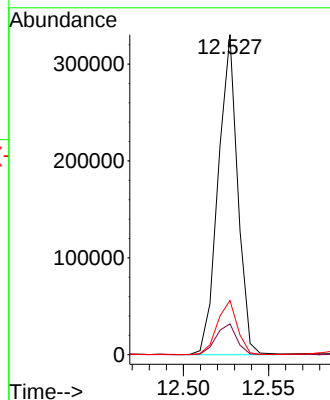
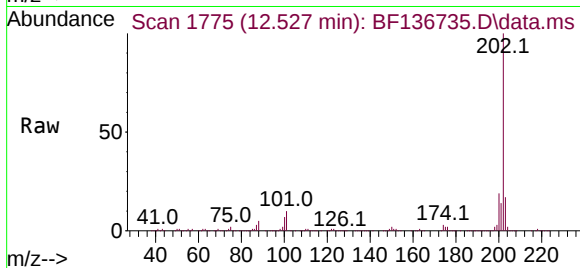
Tgt Ion:202 Resp: 263305

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.3

203 16.9 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

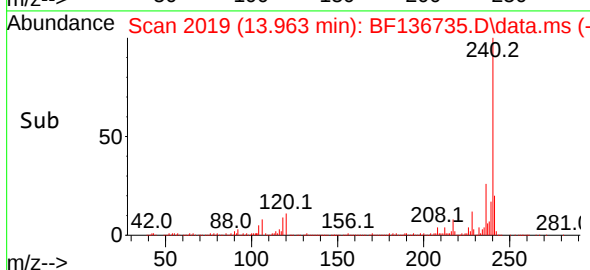
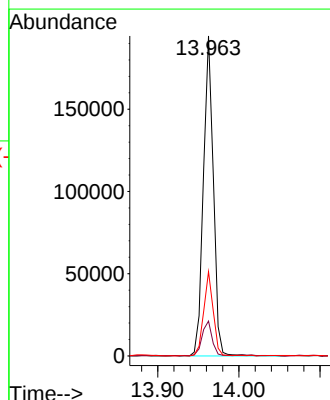
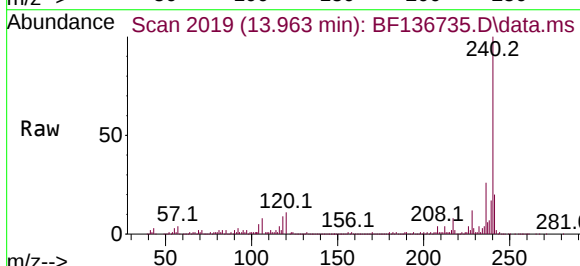
Tgt Ion:240 Resp: 166043

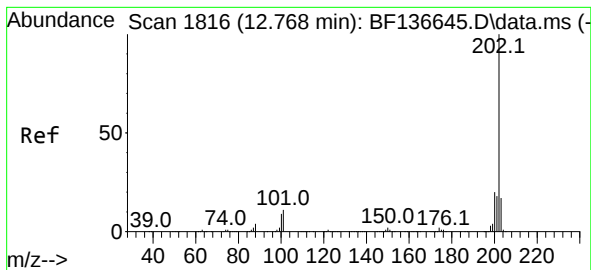
Ion Ratio Lower Upper

240 100

120 10.9 10.3 15.5

236 26.3 19.4 29.2





#78

Pyrene

Concen: 13.371 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347

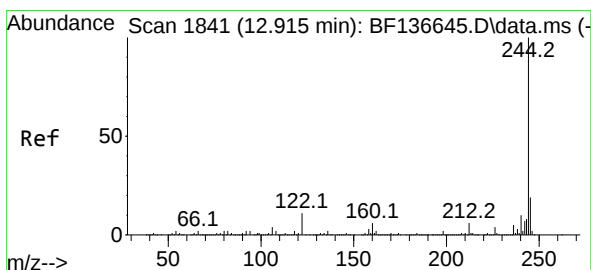
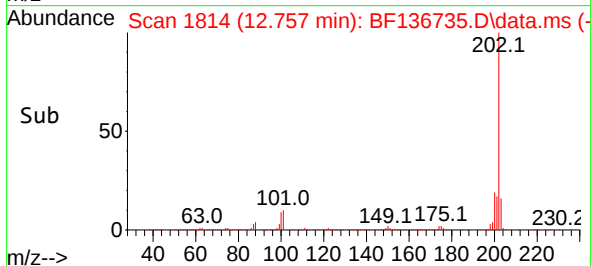
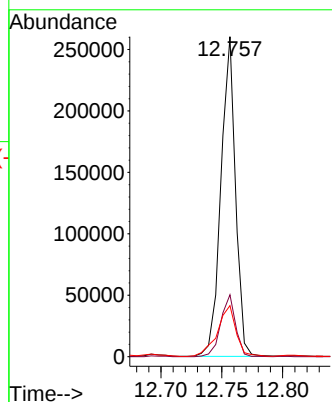
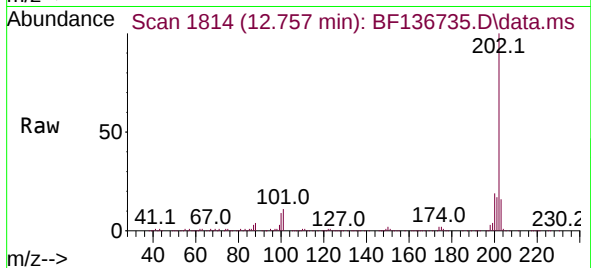
Tgt Ion:202 Resp: 217945

Ion Ratio Lower Upper

202 100

200 19.3 15.9 23.9

203 15.9 13.8 20.6



#79

Terphenyl-d14

Concen: 38.702 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

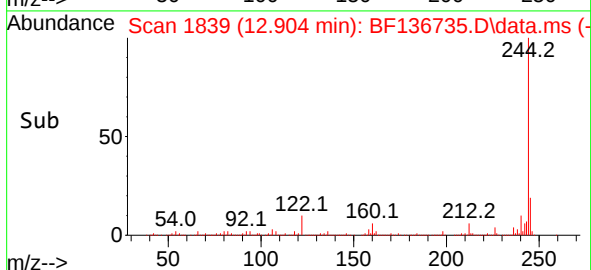
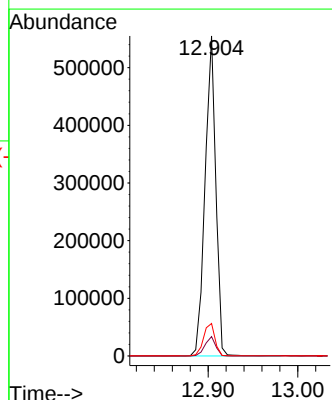
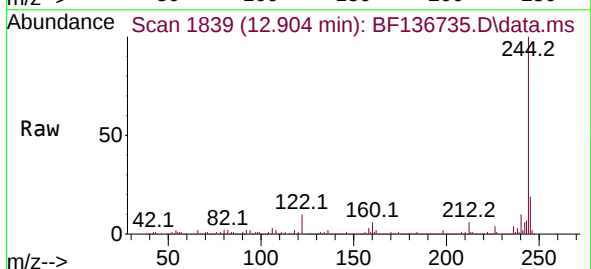
Tgt Ion:244 Resp: 459842

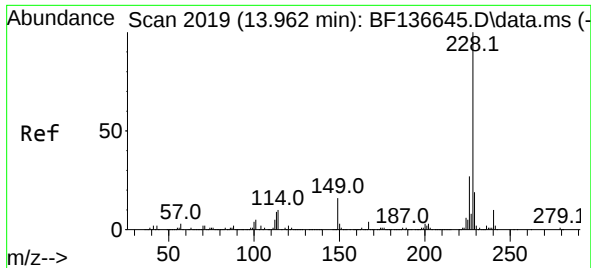
Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 10.1 9.0 13.4

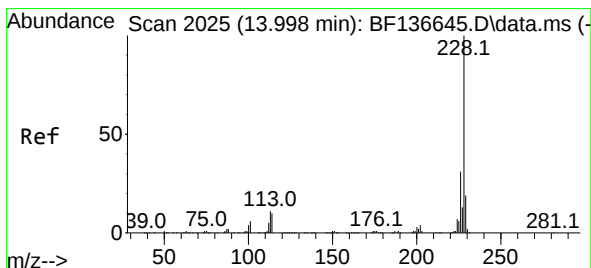
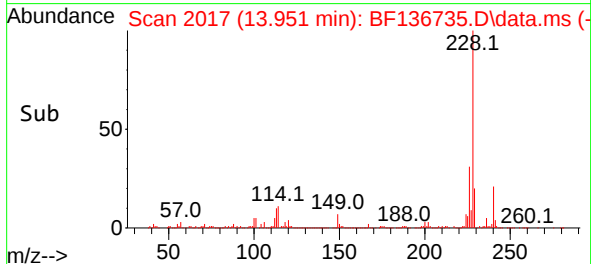
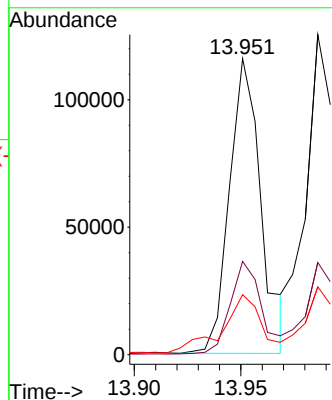
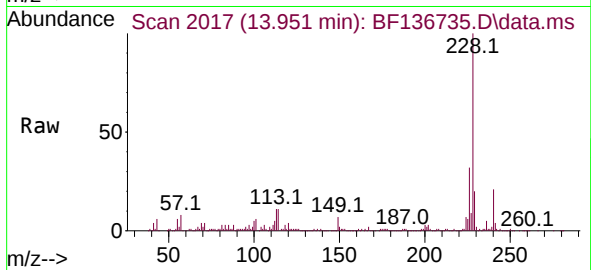




#81
Benzo(a)anthracene
Concen: 10.335 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

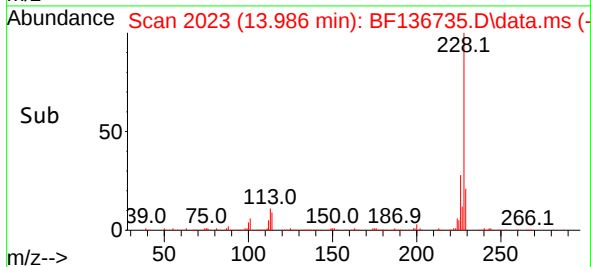
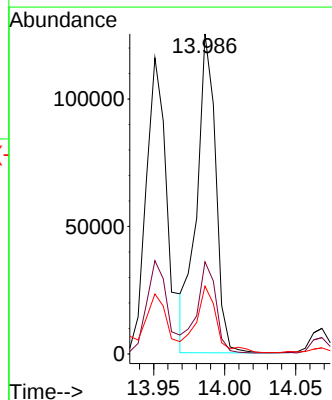
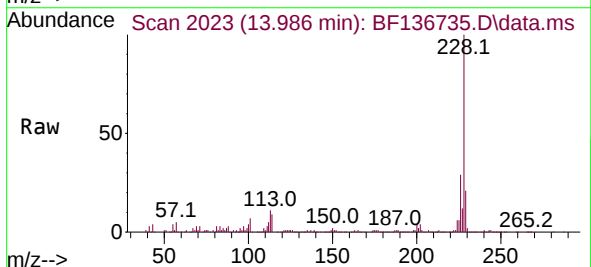
Instrument :
BNA_F
ClientSampleId :
347

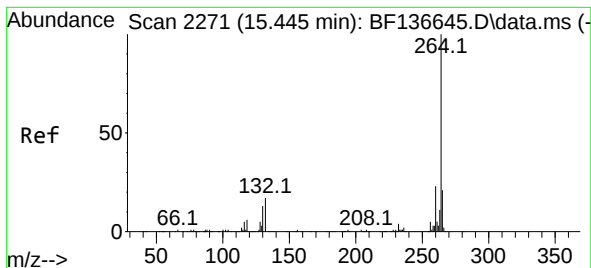
Tgt Ion:228 Resp: 119162
Ion Ratio Lower Upper
228 100
226 31.5 21.4 32.0
229 20.3 14.9 22.3



#83
Chrysene
Concen: 10.322 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136735.D
Acq: 26 Dec 2023 23:38

Tgt Ion:228 Resp: 116377
Ion Ratio Lower Upper
228 100
226 28.8 24.7 37.1
229 21.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347

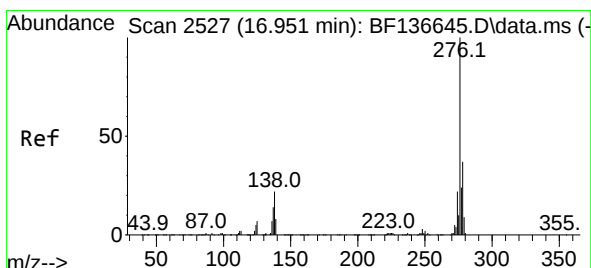
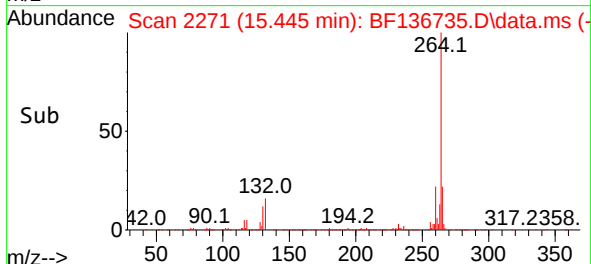
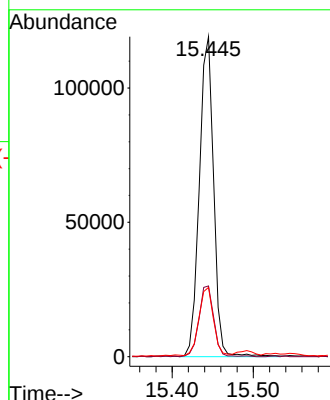
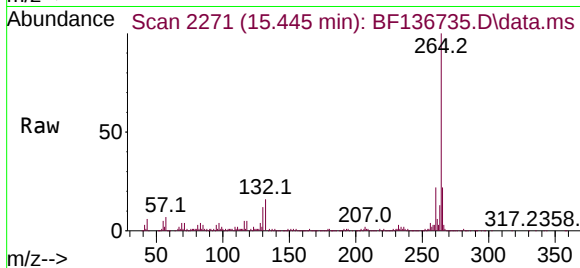
Tgt Ion:264 Resp: 146150

Ion Ratio Lower Upper

264 100

260 22.1 18.3 27.5

265 21.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.778 ng

RT: 16.933 min Scan# 2524

Delta R.T. -0.018 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

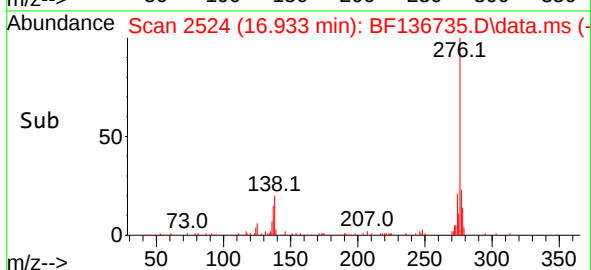
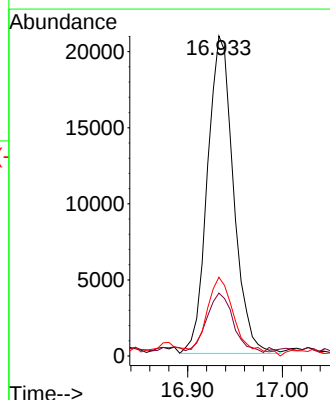
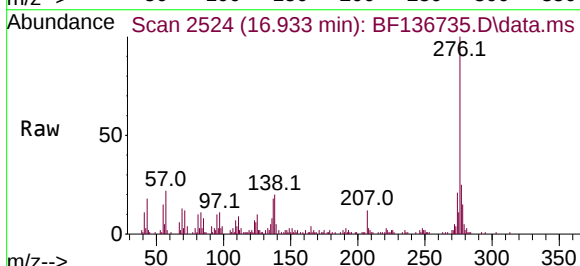
Tgt Ion:276 Resp: 39866

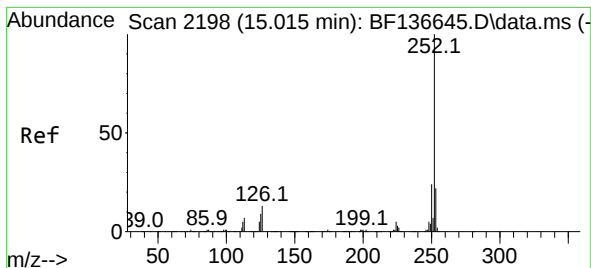
Ion Ratio Lower Upper

276 100

138 19.2 18.7 28.1

277 26.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 17.868 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347

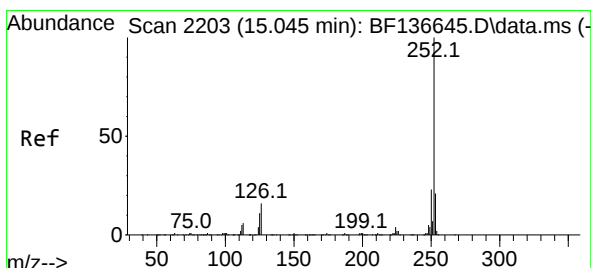
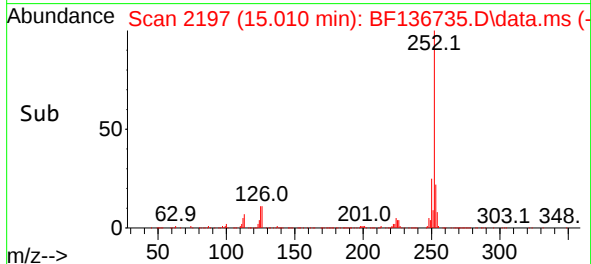
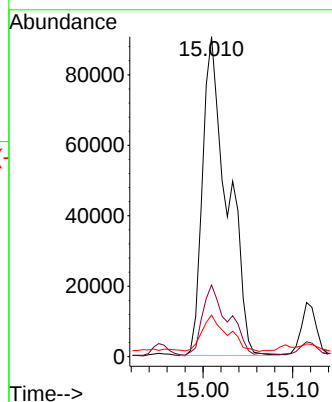
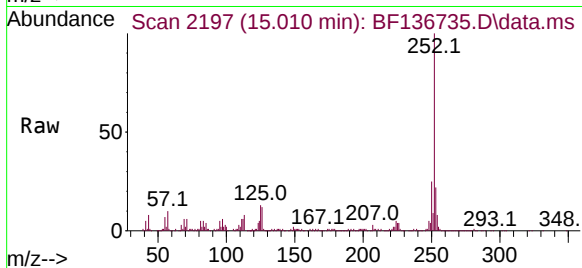
Tgt Ion:252 Resp: 174423

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 13.0 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 18.910 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

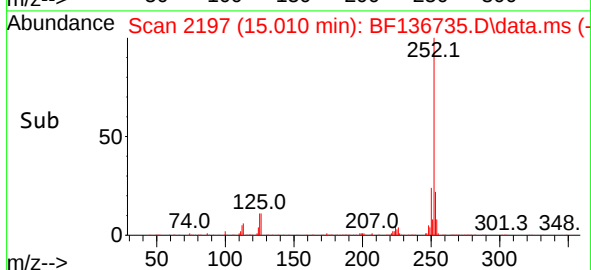
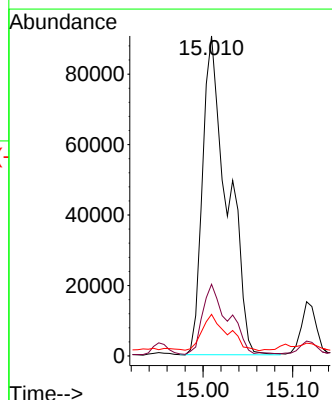
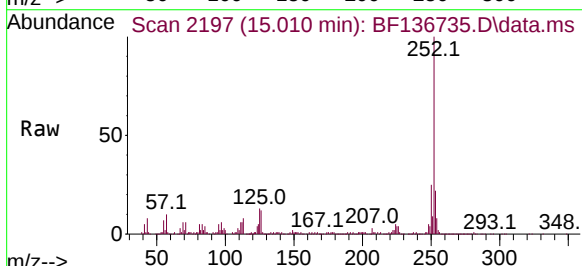
Tgt Ion:252 Resp: 174423

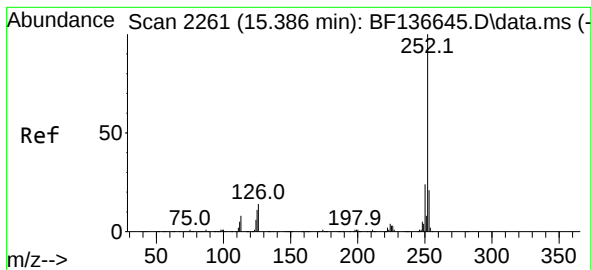
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 13.0 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 9.231 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Instrument :

BNA_F

ClientSampleId :

347

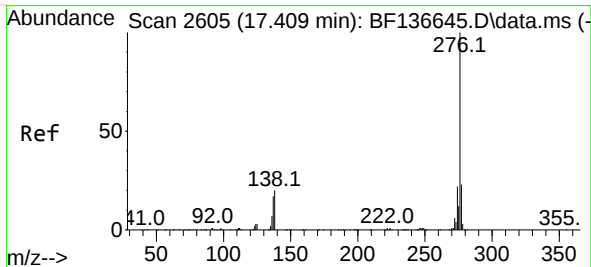
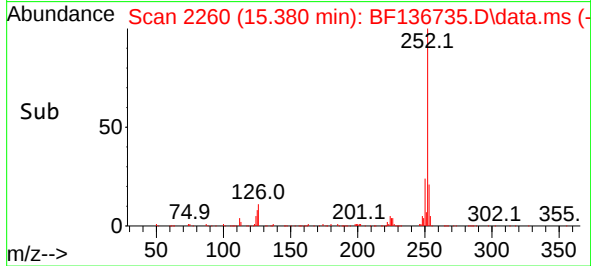
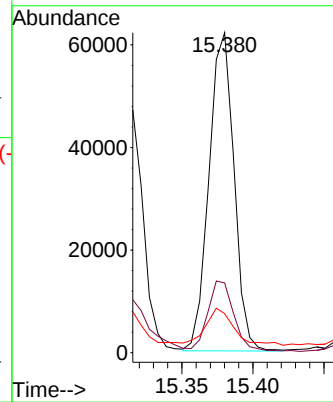
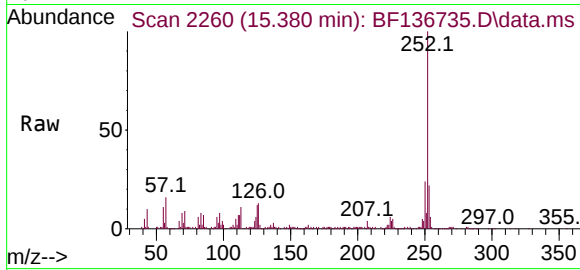
Tgt Ion:252 Resp: 76059

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 12.2 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 4.149 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.023 min

Lab File: BF136735.D

Acq: 26 Dec 2023 23:38

Tgt Ion:276 Resp: 36784

Ion Ratio Lower Upper

276 100

277 23.3 18.3 27.5

138 19.1 15.6 23.4

